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INTERIM

AIR MONITORING REPORT

ON

THANE DEVELOPMENTS LIMITED,

TOWN OF GEORGINA

(OPERATING AS ALUMINUM

DROSS RECYCLING LIMITED)

**APRIL 1987** 





Ministry of the Environment

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# INTERIM

# AIR MONITORING REPORT ON THANE DEVELOPMENTS LIMITED, TOWN OF GEORGINA (OPERATING AS ALUMINUM DROSS RECYCLING LIMITED)

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ENVIRONMENTAL QUALITY ASSESSMENT UNIT
CENTRAL REGION
MINISTRY OF THE ENVIRONMENT
TORONTO, ONTARIO

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### INTRODUCTION

Since December 1985, the Ministry of the Environment has operated an air monitoring network around Thane Developments Limited in the Town of Georgina. The purpose of the survey is to monitor air emissions from the secondary aluminum smelter.

## THANE DEVELOPMENTS LIMITED

The company is operating as Aluminum Dross Recycling Limited, located in Lot 2, Concession 4, Town of Georgina. The plant recycles aluminum dross and other solid industrial scraps. The dross and scraps are melted in a rotary furnace, with salt being added sometimes as a flux. Aluminum ingots are being produced.

Air emissions from the smelting process are vented through a baghouse before being released into the atmosphere. Emissions may include small quantity of metal oxide dusts. Chlorination of molten aluminum in secondary refinery furnaces produces aluminum chloride fume which creates a high-opacity white cloud when it comes in contact with moist air.

### AIR MONITORING STATIONS

As seen in Figure 1, three air monitoring stations have been installed. Each site is equipped with hi-vols (high-volume samplers), dustfall, and fluoride candle. All three sampling techniques require laboratory analysis.

Station 48140 (Brown property) is located just south of the plant on 5th Concession, approximately 1 kilometer north of Ravenshoe Side Road.

Station 48141 (Ingham property) is adjacent to the north side of the smelter. Station 48142 (Calderaro property) is the furthest away, approximately 1.5 kilometers west of the plant. It is located off Woodbine Avenue.

#### HI-VOL DATA

Hi-vols are samplers equipped with pumps similar to those in vacuum cleaners. A large volume of air is drawn through pre-weighed filters which capture the particulate matter over a 24-hour sampling period.

Since aluminum is of particular interest, a special filter (Whatman) has to be used instead of the routine glass fibre type. One of the disadvantages of the Whatman filter is that it is hydroscopic (absorbs moisture); therefore no TSP (Total Suspended Particulates) can be determined. However, a wide range of parameters is being analyzed:

	PARAMETERS	24-HR CRITE OR STANDARI	
Al Ca Cd Cl Co Cr Cu Fe F	Aluminum Calcium Cadmium Chloride Cobalt Chromium Copper Iron Fluorides	None None 2 ug/m <sup>3</sup> None None 10 ug/m <sup>3</sup> * 50 ug/m <sup>3</sup> * 4 ug/m <sup>3</sup> * 1.72 ug/m <sup>3</sup> 3.44 ug/m <sup>3</sup>	(Apr.15-Oct.15) (Oct.16-Apr.14)
Mg Mn Ni NH3 NO3 Pb PO4 Si SO4 V	Magnesium Manganese Nickel Ammonium Nitrates Lead Phosphates Silicon Sulphates Vanadium Zinc	None 50 ug/m <sup>3</sup> * 2 ug/m <sup>3</sup> None None 5 ug/m <sup>3</sup> None None 2 ug/m <sup>3</sup> 100 ug/m <sup>3</sup> *	(000.10 1.p1.11)

All the available hi-vol data for stations 48140, 48141, and 48142 are presented in Table 1, 2, and 3, respectively. All unavailable data are left blank. Each table has summary statistics at the bottom to complement each data set. The pollutant concentrations are expressed in microgram per cubic metre (ug/m $^3$ ).

The overall concentrations for all the parameters being measured are low. The average aluminum levels for the three sites were 0.84 ug/m $^3$ (48140), 0.24 ug/m $^3$ (48141), and 0.23ug/m $^3$ (48142). The maximum was 7 ug/m $^3$  detected at station 48140 on Feb.21/86. With a few exceptions, all aluminum levels were below 1 ug/m $^3$  (92%).

Since aluminum chloride is responsible for the formation of white fume cloud, chloride levels are also of interest. They averaged 1.46  $\text{ug/m}^3(48140)$ , 0.59  $\text{ug/m}^3(48141)$ , and 0.32  $\text{ug/m}^3(48142)$ . The maximum was 15.5  $\text{ug/m}^3$ , detected at station 48140 on Feb.21/86. There are no criteria or standards for aluminum and chloride in air.

Lead levels were extremely low for all three sites and were well below the 24-hour criterion of 5  $ug/m^3$ . Chromium, copper, iron, manganese, and zinc all displayed concentrations below Ministry standards.

Cadmium, cobalt, fluoride, nickel, phosphates, and vanadium were in most cases below their detection limits. The remaining parameters, namely calcium, magnesium, ammonium, silicon, and sulphates, do not have any criteria or standards. However, their concentrations can be considered low.

The average concentrations of all pollutants for all three stations are summarized in Table 4. With the exception of aluminum, calcium, and chloride, the levels of contaminants detected were similar for all three sites, including the control station (48142).

For those parameters that are routinely analyzed, namely cadmium, chromium, copper, iron, manganese, nickel, lead, nitrates, and sulphates, the concentrations around the plant were quite a bit lower than those in other industrial areas in urban centres like Toronto.

#### DUSTFALL AND FLUORIDE CANDLE DATA

Dustfall jars collect larger particles that settle out of the air due to the influence of gravity. Fluoride candles are exposed to determine fluoridation rates. Both dustfall and fluoride candles are collected on a monthly basis.

All the available dustfall and fluoride candle data for stations 48140, 48141, and 48142 are presented in Table 5, 6, and 7, respectively. Total dustfall levels for all three stations were below the 30-day criterion of 7 gm/sq.m/30 days. Lead in dustfall concentrations were well within the guideline of 0.1 gm/sq.m/30 days.

There are no criteria or standards for the remaining metals in dustfall, but the quantities detected were small. In particular, cadmium, cobalt, chromium, molybdenum, nickel, and vanadium in dustfall were mostly below detection limits. Aluminum in dustfall concentrations ranged from 0.004 to 0.086 gm/sq.m/30 days.

Fluoridation rates for all three locations were below the desirable ambient air quality criteria of 40  $ug/100cm^2/30$  days (Apr.15-Oct.15) and 80  $ug/100cm^2/30$  days (Oct.16-Apr.14).

In summary, all three sites displayed similar dustfall levels and fluoridation rates, including the furthest station (48142-Calderaro). Furthermore, these levels detected around the smelter were comparable or lower than those in urban and sub-urban areas in Toronto.

### CONCLUSIONS

The overall concentrations of all parameters as measured by hi-vols, dustfalls, and fluoride candles were low. The two stations close to the plant displayed similar contaminant levels as those at the control site with the exception of aluminum, calcium, and chloride. It was likely due to the influence of the prevailing wind direction and the effects of topography.

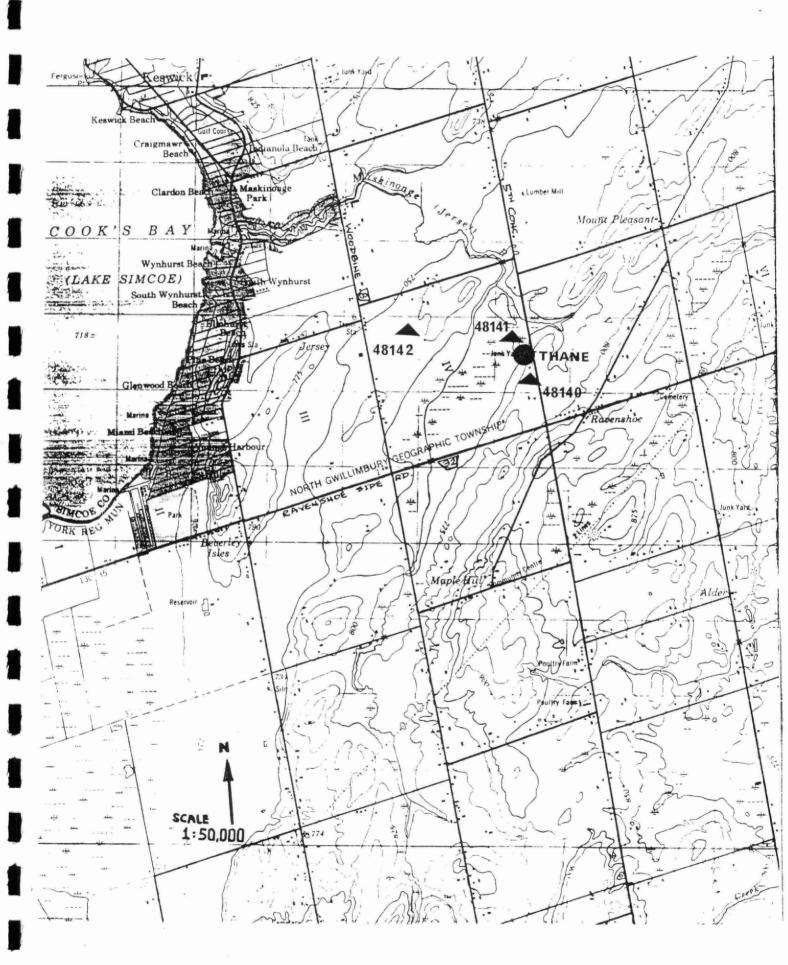
Aluminum, which is of particular interest, showed rather low concentrations. There is no criteria or standard for aluminum in air.

As for metals that are routinely analyzed, such as cadmium, chromium, copper, iron, manganese, nickel, and lead, the levels detected around the smelter were a lot lower than those in other industrial areas in Toronto.

In view of the low concentration of pollutants being measured, it is recommended that the sampling frequency be reduced to every 6 days. In order to decrease the laboratory workload and cost, the insignificant parameters should be deleted from analysis.

There will be an updated version of this report when more data becomes available.

FIGURE 1 Location of air monitoring stations around
Aluminum Dross Recycling Limited (Thane Developments Limited)



TABL	E 1 H	I-AOP DATA L	ON DIVITOR	14. 10210	(					
		0-	Ca	Cl	Co	Cr	Cu	Fe	F	
Date	Al	Ca	Cd					0.220	0.01 <w< td=""><td></td></w<>	
	0.160	0.700	0.001	1.00	0.304<	0.007	0.140	0.800	0.61 KW	
851220	0.610	0.520	0.001<	0.30	0.004<	0.005	0.021	0.320	0.01	
860111	2.000	2.500	0.001	3.00	0.004<	0.006	0.210	0.390	0.01 <w< td=""><td></td></w<>	
860114	0.260	0.340	0.001	0.80	0.004<	0.007	0.020	0.180	0.01 <	
860117	0.092	0.110	0.001	0.20	0.004<	0.014	0.150	0.200	0.01 KW	
860119	0.600	0.160	0.001	4.30	0.004<	0.003	0.092		0.01 <w< td=""><td></td></w<>	
860122	0.860	20.000	0.001	0.90	0.004<	0.004	0.100	0.730	0.02	
860124	2.700	0.280	0.002	9.00	0.004<	0.011	0.140	0.310	0.01 <w< td=""><td></td></w<>	
860127	0.280	1.500	0.001	0.90	0.004<	0.006	0.076		0.01 KW	
860131		0.190	0.006<	0.06	0.004<	0.001<	0.021	0.030	0.01 <w< td=""><td></td></w<>	
860203	0.040	0.001<	Q.001 <w< td=""><td>0.46</td><td>0.002</td><td>0.001&lt;</td><td>0.037</td><td>0.018</td><td>0.01 <w< td=""><td></td></w<></td></w<>	0.46	0.002	0.001<	0.037	0.018	0.01 <w< td=""><td></td></w<>	
860204	0.100	0.760	0.001	0.58	0.001 <w< td=""><td>0.002</td><td>0.018</td><td>0.150</td><td>0.01 <w< td=""><td></td></w<></td></w<>	0.002	0.018	0.150	0.01 <w< td=""><td></td></w<>	
860207	0.150	3.500	0.001 <w< td=""><td>1.40</td><td>0.002</td><td>0.001&lt;</td><td>0.100</td><td>0.140</td><td>0.01 &lt;</td><td></td></w<>	1.40	0.002	0.001<	0.100	0.140	0.01 <	
850211	0.220	4.000	0.001 <w< td=""><td>0.35</td><td>0.001<w< td=""><td>0.005</td><td>0.045</td><td>0.140</td><td>0.01 KW</td><td></td></w<></td></w<>	0.35	0.001 <w< td=""><td>0.005</td><td>0.045</td><td>0.140</td><td>0.01 KW</td><td></td></w<>	0.005	0.045	0.140	0.01 KW	
860212	0.190	4.100	0.001 <w< td=""><td>0.26</td><td>0.001<w< td=""><td>0.004</td><td>0.060</td><td></td><td>0.01 <w< td=""><td></td></w<></td></w<></td></w<>	0.26	0.001 <w< td=""><td>0.004</td><td>0.060</td><td></td><td>0.01 <w< td=""><td></td></w<></td></w<>	0.004	0.060		0.01 <w< td=""><td></td></w<>	
860213	0.190	6.800	0.001 <w< td=""><td>0.32</td><td>0.001</td><td>0.007</td><td>0.051</td><td>0.220</td><td>0.01 <w< td=""><td></td></w<></td></w<>	0.32	0.001	0.007	0.051	0.220	0.01 <w< td=""><td></td></w<>	
860214	0.120	0.540	0.001	0.06	0.003	0.009	0.051	0.170	0.01 KW	
860217	0.074	0.250	0.001<	0.06	0.001	0.004	0.120	0.076	0.01 <w< td=""><td></td></w<>	
860218	0.580	0.001<	. 0.001 <w< td=""><td>0.93</td><td>0.001<w< td=""><td>0.004</td><td>0.029</td><td>0.490</td><td>0.02</td><td></td></w<></td></w<>	0.93	0.001 <w< td=""><td>0.004</td><td>0.029</td><td>0.490</td><td>0.02</td><td></td></w<>	0.004	0.029	0.490	0.02	
860220	7.000	0.001<	0.001	15.50	0.001	0.008	0.450	1.700	0.01 <w< td=""><td></td></w<>	
860221	2.900		0.001	3.40	0.002<	0.003	0.270	0.440	0.03	
860225	5.900	× + *	0.001	3.40 8.00	0.002<	0.005	0.420	0.180	0.01 <w< td=""><td></td></w<>	
860226	0.920		0.001	1.10	0.002<	0.001	0.077		0.01 <=	
860227	0.190		0.001	1.70	0.002<	0.001<	0.041	0.330	0.01 (W	
860228	2.000		0.002	1.00	0.002<	0.002	0.130	0.960	0.01 <w< td=""><td></td></w<>	
860307	0.370		0.002	1.60	0.002<	0.002	0.056	0.180	0.01 <w< td=""><td></td></w<>	
860308	0.230		0.001	0.90	0.002<	0.001	0.044	0.230	0.01 <w< td=""><td></td></w<>	
360310	0.660		0.001	0.90	0.002<	0.001	0.099	0.110	0.0007	
860311	0.310	2.910	0.001<	0.70	0.001 <w< td=""><td>0.001</td><td>0.099</td><td>0.270</td><td>0.000</td><td></td></w<>	0.001	0.099	0.270	0.000	
260317	1.300	0.570	0.001	0.60	0.001	0.003	0.052	0.220		
360313	0.350	1.400	0.001	0.63	0.001	0.001<	0.072			
860319	2.400	0.700	0.001<4	1.70	0.001	0.004	0.094	0.240		
860320	0.510	2.760	0.001 <w< td=""><td>0.70</td><td>C.001<w< td=""><td>0.001</td><td>0.030</td><td>0.370</td><td>0.031</td><td></td></w<></td></w<>	0.70	C.001 <w< td=""><td>0.001</td><td>0.030</td><td>0.370</td><td>0.031</td><td></td></w<>	0.001	0.030	0.370	0.031	
850321	0.970	1.960	0.001	1.20	0.062	0.001	0.079	0.550	0.001	
360324	0.750	1.750	0.001KW	0.70	0.001	0.002	0.030	0.380	0.002	
860325	0.760	1.200	0.001KW	0.60	0.061	0.001<	0.075	0.033		
360327	0.150	0.140	0.001 <w< td=""><td>0.30</td><td>0.001</td><td>0.001&lt;</td><td>0.077</td><td>0.213</td><td>0.0005</td><td></td></w<>	0.30	0.001	0.001<	0.077	0.213	0.0005	
850328	0.150	7.920	0.001<	1.30	0.002	0.001<	0.072	0.110	0.000	
860403	0.350	1.100	0.001 <w< td=""><td>0.60</td><td>0.001<w< td=""><td>0.001&lt;</td><td>0.090</td><td>0.004&lt;</td><td>1</td><td>Legend:</td></w<></td></w<>	0.60	0.001 <w< td=""><td>0.001&lt;</td><td>0.090</td><td>0.004&lt;</td><td>1</td><td>Legend:</td></w<>	0.001<	0.090	0.004<	1	Legend:
860404		0.035	0.001KW	0.20	0.001	0.001<	0.001 <w< td=""><td>0.020</td><td></td><td></td></w<>	0.020		
853407	0.008	0.160	0.001 <w< td=""><td>0.30</td><td>0.0C1<w< td=""><td>0.001&lt;</td><td>0.044</td><td>0.220</td><td>0.01 KW</td><td>Al=Aluminum</td></w<></td></w<>	0.30	0.0C1 <w< td=""><td>0.001&lt;</td><td>0.044</td><td>0.220</td><td>0.01 KW</td><td>Al=Aluminum</td></w<>	0.001<	0.044	0.220	0.01 KW	Al=Aluminum
80408	G.057	1.840	0.001 <w< td=""><td>0.00KW</td><td>0.0044</td><td>0.004&lt;</td><td>0.140</td><td>0.020</td><td>0.00 KM</td><td>Ca=Calcium</td></w<>	0.00KW	0.0044	0.004<	0.140	0.020	0.00 KM	Ca=Calcium
360521	0.013	0.804	0.001	0.00 <w< td=""><td>0.0044</td><td>0.004&lt;</td><td></td><td>0.004&lt;</td><td>0.00 KW</td><td>Cd=Cadmium</td></w<>	0.0044	0.004<		0.004<	0.00 KW	Cd=Cadmium
360522	0.022	0.695	0.001	0.29	0.0644	0.016	0.002<	0.150	0.01 (H .	
260523	0.074	2.147	0.001	0.00 <w< td=""><td>0.004&lt;</td><td>0.010</td><td>0.200</td><td>0.470</td><td>0.01 (</td><td>Cl=Chloride</td></w<>	0.004<	0.010	0.200	0.470	0.01 (	Cl=Chloride
960526	0.179	2.095	0.001<	0.29	0.034<	0.0044		0.240	0.01	Co=Cobalt
250527	0.451	3.731	0.0514	0.29	0.0044	0.004<	0.089	0.570	0.01-	Cr=Chromium
360526	0.576	4.457	0.001 <w< td=""><td>1.70</td><td>0.064&lt;</td><td>0.004&lt;</td><td></td><td>0.110</td><td>C.01 <w< td=""><td></td></w<></td></w<>	1.70	0.064<	0.004<		0.110	C.01 <w< td=""><td></td></w<>	
460530	0.188	1.053	0.001 <w< td=""><td>0.29</td><td>0.004&lt;</td><td>0.004&lt;</td><td>0.005</td><td>0.290</td><td>0.03</td><td>Cu=Copper</td></w<>	0.29	0.004<	0.004<	0.005	0.290	0.03	Cu=Copper
360531	1.894	1.447	0.001 <w< td=""><td>2.30</td><td>0.004&lt;</td><td>0.004&lt;</td><td>0.250</td><td>0.2.0</td><td></td><td>Fe=Iron</td></w<>	2.30	0.004<	0.004<	0.250	0.2.0		Fe=Iron
360509	1.074						0.450	1.700	0.03	
MAXIM	× 7.000	20.000	0.002	15.50	0.003	0.014	0.100<4	0.298	0.01 <a< td=""><td>F=Fluoride</td></a<>	F=Fluoride
ARITH ME		2.076 <a< td=""><td>0.001<a< td=""><td>1.46 CA</td><td>0.001<a< td=""><td>0.005</td><td>0.100CA</td><td>9.270</td><td>THE BUG.</td><td></td></a<></td></a<></td></a<>	0.001 <a< td=""><td>1.46 CA</td><td>0.001<a< td=""><td>0.005</td><td>0.100CA</td><td>9.270</td><td>THE BUG.</td><td></td></a<></td></a<>	1.46 CA	0.001 <a< td=""><td>0.005</td><td>0.100CA</td><td>9.270</td><td>THE BUG.</td><td></td></a<>	0.005	0.100CA	9.270	THE BUG.	
GECM ME.		0.656KA				0.001	6.001	0.018	0.00	
MINIM		0.001	0.001	0.00	0.001	0.001	0.001	0.0.0	# 0 D B	2
STD DEV (GEOM =		3.317 <a< td=""><td></td><td></td><td></td><td>2.2</td><td>50</td><td>49</td><td>41</td><td>Units: ug/m<sup>3</sup></td></a<>				2.2	50	49	41	Units: ug/m <sup>3</sup>
* SAMP IN STATISTIC	4 5 5 5	43	49	51	2.4	32	1	49 3		3
& SAMP (EXCLUSED			3		5 2	37	*	-		
			,							

TA	BLE 1	(COMT'D)	HI-VOL DA	TA FOR STAT	ION NO.	48140 (BROW	N)					
			N.	91	22.11			0.1	66.	V	Zn	
Date	Mg	Mn	Ni	NH <sub>3</sub>	NQ3	Pb	PO4	Si 0.762	SO4	0.009<	0.560	
	0.095	0.011	0.005	3.0	8 - 8	0.073		3.940	2.3	0.3394	0.050	
951220	0.220	0.029	0.005	1.4	4.1	0.029	0.1<	1.057	1.7	0.009<	0.140	
860111	0.250	0.015	0.011	0.5	0.6	0.037	0.0 <w< td=""><td>1.210</td><td>8.0</td><td>0.009&lt;</td><td>0.110</td><td></td></w<>	1.210	8.0	0.009<	0.110	
360114 360117	0.110	0.021	0.005<	5.7	13.0	0.058	0.1 <w< td=""><td>0.425</td><td>7.1</td><td>0.039&lt;</td><td>0.042</td><td></td></w<>	0.425	7.1	0.039<	0.042	
860119	0.045	0.009	0.007	4.3	8.0	0.031	0.0 <w< td=""><td>0.729</td><td>3.7</td><td>0.009&lt;</td><td>0.067</td><td></td></w<>	0.729	3.7	0.009<	0.067	
960122	0.091	0.012	0.005<	2.8	2.8 1.7	0.015	0.04	3.765	2.0	0.009<	0.059	
860124	0 - 4 2 0	0.032	0.005<	0.2	1.1	0.041	0.0 <w< td=""><td>1.518</td><td>2.0</td><td>0.009&lt;</td><td>0.160</td><td></td></w<>	1.518	2.0	0.009<	0.160	
360127	0.350	0.021	0.005	1.0	5.3	0.032	0.0<	1.456	3.3	0.0094	0.008	
360131	0.150	0.015	0.005<	0.5	1.5	0.005<	0.0<	0.079	0.9	0.003<	0.012	
560203	0.020	0.005<	0.001	0.1 <w< td=""><td>2.1</td><td>0.015</td><td>0.0<m< td=""><td>0.100</td><td>1.4</td><td>0.004</td><td>0.025</td><td></td></m<></td></w<>	2.1	0.015	0.0 <m< td=""><td>0.100</td><td>1.4</td><td>0.004</td><td>0.025</td><td></td></m<>	0.100	1.4	0.004	0.025	
860204	0.001 <w< td=""><td>0.013</td><td>0.001<w< td=""><td>0.1 &lt;</td><td>0.9</td><td>0.026</td><td>0.0<w< td=""><td>1.100</td><td>1.0</td><td>0.003</td><td>0.017</td><td></td></w<></td></w<></td></w<>	0.013	0.001 <w< td=""><td>0.1 &lt;</td><td>0.9</td><td>0.026</td><td>0.0<w< td=""><td>1.100</td><td>1.0</td><td>0.003</td><td>0.017</td><td></td></w<></td></w<>	0.1 <	0.9	0.026	0.0 <w< td=""><td>1.100</td><td>1.0</td><td>0.003</td><td>0.017</td><td></td></w<>	1.100	1.0	0.003	0.017	
860207	0.032	0.068	0.001	0.1 CM	1.6	0.025	0.0<	0.900 -	2.4	0.032	0.020	
260211	0.327	G.010	0.002	0.1 <w< td=""><td>1.5</td><td>0.041</td><td>0.0<w< td=""><td>0.600</td><td>3.6</td><td>0.001&lt;</td><td>0.013</td><td></td></w<></td></w<>	1.5	0.041	0.0 <w< td=""><td>0.600</td><td>3.6</td><td>0.001&lt;</td><td>0.013</td><td></td></w<>	0.600	3.6	0.001<	0.013	
860212 860213	0.035	0.007	0.001	0.1 <w< td=""><td>3.6</td><td>0.020</td><td>0.0&lt;</td><td>0.600</td><td>1.2</td><td>0.005</td><td>0.008</td><td></td></w<>	3.6	0.020	0.0<	0.600	1.2	0.005	0.008	
360214	0.072	0.010	0.001<	0.1 <w< td=""><td>1.0</td><td>0.035</td><td>0.0<w< td=""><td>0.200</td><td>9.7</td><td>0.002</td><td>0.048</td><td></td></w<></td></w<>	1.0	0.035	0.0 <w< td=""><td>0.200</td><td>9.7</td><td>0.002</td><td>0.048</td><td></td></w<>	0.200	9.7	0.002	0.048	
260217	0.011	0.010	G.001<=	0.1 <w 0.1 <w< td=""><td>3.8</td><td>0.016</td><td>0.0&lt;</td><td>0.400</td><td>7.7</td><td>0.002</td><td>0.023</td><td>8.</td></w<></w 	3.8	0.016	0.0<	0.400	7.7	0.002	0.023	8.
860216	0.001<	0.005	0.002	0.1 KW	.0.6	0.010	0.0<	0.100	0.4	0.010	0.430	0
350220	0.601<-	0.004	0.003	0.1 KW	5.2	0.078	0.0 <w< td=""><td>0.700</td><td>6.8</td><td>0.010</td><td>0.120</td><td>1</td></w<>	0.700	6.8	0.010	0.120	1
860221	0.290	0.034	0.005	0.1 KW	1.4	0.032	0.1 <w< td=""><td>8.800</td><td>2.3</td><td>0.002</td><td>0.260</td><td></td></w<>	8.800	2.3	0.002	0.260	
860225	1.200	0.028	0.010	0.1 <=	0.9	0.049	0.1 <h< td=""><td>1.700</td><td>4.3</td><td>0.001</td><td>0.038</td><td></td></h<>	1.700	4.3	0.001	0.038	
860226	0.150	0.008	0.004	0.1 <w< td=""><td>0 - 4</td><td>0.012</td><td>0.0&lt;</td><td>0.900</td><td>1.3</td><td>0.001</td><td>0.009</td><td></td></w<>	0 - 4	0.012	0.0<	0.900	1.3	0.001	0.009	
860227	0.079	0.014	0.003<	0.1 <w< td=""><td>0.7</td><td>0.026</td><td>0.0&lt;</td><td>4.200</td><td>2.9</td><td>0.002</td><td>0.090</td><td></td></w<>	0.7	0.026	0.0<	4.200	2.9	0.002	0.090	
860226 860307	0.430	0.027	0.008	0.1 <w< td=""><td>0.7</td><td>0.021</td><td>0.1<w< td=""><td>0.900</td><td>3.6</td><td>0.063</td><td>0.029</td><td></td></w<></td></w<>	0.7	0.021	0.1 <w< td=""><td>0.900</td><td>3.6</td><td>0.063</td><td>0.029</td><td></td></w<>	0.900	3.6	0.063	0.029	
860308	0.190	0.009	0.008	0.1 (W	2.2	0.022	0.1 <w< td=""><td>1.000</td><td>5.5</td><td>0.003</td><td>0.072</td><td></td></w<>	1.000	5.5	0.003	0.072	
360310	0.078	0.015	0.003<	0.1 (W	5.3 1.7	0.028	0.0 <w< td=""><td>0.600</td><td>4.8</td><td>0.001</td><td>0.041</td><td></td></w<>	0.600	4.8	0.001	0.041	
860311	0.094	0.067	0.005	0.1 <w< td=""><td>2.8</td><td>0.036</td><td>0.1<w< td=""><td>1.400</td><td>5.5</td><td>0.001&lt;</td><td>0.081</td><td></td></w<></td></w<>	2.8	0.036	0.1 <w< td=""><td>1.400</td><td>5.5</td><td>0.001&lt;</td><td>0.081</td><td></td></w<>	1.400	5.5	0.001<	0.081	
860317	0.013	0.015	0.003	0.185	3.2	0.026	0.1 <w< td=""><td>1.000</td><td>8.0</td><td>0.006</td><td>0.092</td><td></td></w<>	1.000	8.0	0.006	0.092	
860318	0.160	0.013	0.001 <w< td=""><td>0.476</td><td>9.2</td><td>0.038</td><td>0.1<w< td=""><td>1.100</td><td>10.1</td><td>0.001&lt;</td><td>0.080</td><td></td></w<></td></w<>	0.476	9.2	0.038	0.1 <w< td=""><td>1.100</td><td>10.1</td><td>0.001&lt;</td><td>0.080</td><td></td></w<>	1.100	10.1	0.001<	0.080	
860319	0.110	0.014	0.003	0.066	0.5	0.016	0-1 <w< td=""><td>1.200</td><td>2.6</td><td>0.001&lt;</td><td>0.031</td><td></td></w<>	1.200	2.6	0.001<	0.031	
860320	0.030	0.013	0.001	0.123	2.0	0.012	0.1 <w< td=""><td>1.300</td><td>3.5</td><td>6.001&lt;</td><td>0.037</td><td></td></w<>	1.300	3.5	6.001<	0.037	
860321	0.014	0.014	0.001 <w< td=""><td>0.076</td><td>1.0</td><td>0.019</td><td>0.1<w< td=""><td>1.400</td><td>2.4 3.7</td><td>0.001&lt;</td><td>0.063</td><td></td></w<></td></w<>	0.076	1.0	0.019	0.1 <w< td=""><td>1.400</td><td>2.4 3.7</td><td>0.001&lt;</td><td>0.063</td><td></td></w<>	1.400	2.4 3.7	0.001<	0.063	
860324 860325	0.321	0.025	0.002	0.354	1.6	0.031	0.1 <w< td=""><td>2.500</td><td>5.1</td><td>0.001&lt;</td><td>0.056</td><td></td></w<>	2.500	5.1	0.001<	0.056	
860327	0.210	0.017	G-001 <w< td=""><td>0.254</td><td>5.9</td><td>0.028</td><td>0.1<w< td=""><td>0.300</td><td>3.8</td><td>0.022</td><td>0.016</td><td></td></w<></td></w<>	0.254	5.9	0.028	0.1 <w< td=""><td>0.300</td><td>3.8</td><td>0.022</td><td>0.016</td><td></td></w<>	0.300	3.8	0.022	0.016	
860328	0.033	0.004	0.001 <w< td=""><td>0.148</td><td>2.2</td><td>0.009</td><td>0.1<w< td=""><td>1.000</td><td>0.9</td><td>0.001&lt;</td><td>0.019</td><td>Toward.</td></w<></td></w<>	0.148	2.2	0.009	0.1 <w< td=""><td>1.000</td><td>0.9</td><td>0.001&lt;</td><td>0.019</td><td>Toward.</td></w<>	1.000	0.9	0.001<	0.019	Toward.
8 ć 0 4 O 3	0.001 <w< td=""><td>0.011</td><td>0.001<w< td=""><td>0.041</td><td>5.5</td><td>0.010</td><td>0.1&lt;</td><td>0.600</td><td>3.7</td><td>0.001&lt;</td><td>0.026</td><td>Legend:</td></w<></td></w<>	0.011	0.001 <w< td=""><td>0.041</td><td>5.5</td><td>0.010</td><td>0.1&lt;</td><td>0.600</td><td>3.7</td><td>0.001&lt;</td><td>0.026</td><td>Legend:</td></w<>	0.041	5.5	0.010	0.1<	0.600	3.7	0.001<	0.026	Legend:
860404	0.057	0.010	0.001 <w< td=""><td>0.001</td><td>G.0<w< td=""><td>0.001<w< td=""><td>0.1<w< td=""><td>0.100&lt;</td><td>0.6</td><td>0.501&lt;</td><td>0.005</td><td>Mg≕Magnėsium</td></w<></td></w<></td></w<></td></w<>	0.001	G.0 <w< td=""><td>0.001<w< td=""><td>0.1<w< td=""><td>0.100&lt;</td><td>0.6</td><td>0.501&lt;</td><td>0.005</td><td>Mg≕Magnėsium</td></w<></td></w<></td></w<>	0.001 <w< td=""><td>0.1<w< td=""><td>0.100&lt;</td><td>0.6</td><td>0.501&lt;</td><td>0.005</td><td>Mg≕Magnėsium</td></w<></td></w<>	0.1 <w< td=""><td>0.100&lt;</td><td>0.6</td><td>0.501&lt;</td><td>0.005</td><td>Mg≕Magnėsium</td></w<>	0.100<	0.6	0.501<	0.005	Mg≕Magnėsium
860407	0.001	0.001 <w< td=""><td>0.001<w< td=""><td>0.116</td><td>1.7</td><td>0.008</td><td>0.1&lt;</td><td>0.400</td><td>3.2</td><td>0.018</td><td>0.039</td><td>Mn=Manganese</td></w<></td></w<>	0.001 <w< td=""><td>0.116</td><td>1.7</td><td>0.008</td><td>0.1&lt;</td><td>0.400</td><td>3.2</td><td>0.018</td><td>0.039</td><td>Mn=Manganese</td></w<>	0.116	1.7	0.008	0.1<	0.400	3.2	0.018	0.039	Mn=Manganese
860408	0.033	0.010	0.004<		2.9	0.040		0.400	3 - 8	0.080<	0.010	Ni=Nickel
860521	0.012	0.004<	0.004		0 - 0 < M	0.005<		0.100<	0.3 0.0 <w< td=""><td>0.080&lt;</td><td>0.008</td><td>NH3=Ammonium</td></w<>	0.080<	0.008	NH3=Ammonium
860522 260523	0.010	0.004<	0.004<		0.0<	0.005<		0.100<	1.5	0.080<	0.019	Pb=Lead
860526	0.088	0.008	0.004<		0.9	0.040		1.600	5.0	0.080<	0.067	
860527	0.194	0.020	0.004<		4.1	0.050		0.700	1.7	0.080<	0.057	PO4=Phosphates
360528	0.165	0.010	0.004<		0.3	0.030		2.500	2.9	0.080<	0.075	Si=Silicon
860530	0.392	0.020	0.304<		0.6	0.005<		0.700	0.6	0.080<	0.020	\$04=Sulphates
860531	0.100	0.004<	0.004<		0.3	0.020		0.800	1.2	0.080<	0.160	— V=Vanadium
360009	0.223	0.010	0.0073							0.022	0.430	
MAXIMUM	1.200	0.081	0.012	5.7	13.0	0.078	0.1	8.800	10.1	0.005	0.060	Zn=Zinc
ARITH MEAN		0.015 <a< td=""><td>0.003<a< td=""><td>0.6 &lt;4</td><td>2.6<a< td=""><td>0.029&lt;</td><td>0.1<a< td=""><td>1.288</td><td>3.3<a< td=""><td></td><td>0.037</td><td></td></a<></td></a<></td></a<></td></a<></td></a<>	0.003 <a< td=""><td>0.6 &lt;4</td><td>2.6<a< td=""><td>0.029&lt;</td><td>0.1<a< td=""><td>1.288</td><td>3.3<a< td=""><td></td><td>0.037</td><td></td></a<></td></a<></td></a<></td></a<>	0.6 <4	2.6 <a< td=""><td>0.029&lt;</td><td>0.1<a< td=""><td>1.288</td><td>3.3<a< td=""><td></td><td>0.037</td><td></td></a<></td></a<></td></a<>	0.029<	0.1 <a< td=""><td>1.288</td><td>3.3<a< td=""><td></td><td>0.037</td><td></td></a<></td></a<>	1.288	3.3 <a< td=""><td></td><td>0.037</td><td></td></a<>		0.037	
SECH MEAN				0.2 <4	2 6	0 001	0.0	0.079	0.0	0.001	0.006	Unite na/m3
MUHIMIM		0.001	0.001	0.001	0.0	0.001	0.0	0.017			0.072	Units: ug/m <sup>3</sup>
STO DEV (SEOM #)	0.201 <a< td=""><td></td><td>3.4</td><td>1.2 <a< td=""><td>51</td><td>47</td><td>4.2</td><td>4.8</td><td>51</td><td>20</td><td>51</td><td></td></a<></td></a<>		3.4	1.2 <a< td=""><td>51</td><td>47</td><td>4.2</td><td>4.8</td><td>51</td><td>20</td><td>51</td><td></td></a<>	51	47	4.2	4.8	51	20	51	
# SAMP IN STATISTICS		• 7 7	36 29	7.4		7		5		60		
\$ SAMP (EXCLUSED)		,	- 2									

TABLE 2	HI-V	OL DATA FOR	STATION 1	NO. 48141	(INGHAM)					
Date	Al	Ca	Cd	Cl	Ço	Cr	Cu	Pe	F	
851220 860111 860115 260117	0.060 0.260 0.250 0.190	0.220 0.290 4.100 0.210	0.006< 0.001< 0.001	0.15 0.50 1.40 1.00	0.004< 0.004< 0.004< 0.004<	0.007 0.010 0.011 0.002	0.047 0.040 0.041 0.018	0.090 0.310 0.290 0.280	0.01 <w 0.01 <w 0.01 <w 0.01 <w 0.01 <w< td=""><td></td></w<></w </w </w </w 	
860117 860122 860124 860127	0.070 0.140 0.260 0.230	0.073 0.360 2.600 0.340	0.0G1 0.001< 0.001< G.001<	0.10 0.70 0.30 0.80	0.004< 0.004< 0.004< 0.004<	0.008 0.001< 0.007 0.009	0.062 0.029 0.011 0.038 0.037	0.140 0.150 0.180 0.250 0.240	0.01 <w 0.01 <w 0.01 <w 0.01 <w< td=""><td></td></w<></w </w </w 	
860204 860207 860211	0.180 0.071 0.084 0.059	0.320 0.170 0.260 1.200	0.001< 0.001 <w 0.001 0.001<w 0.001<w< td=""><td>0.20 0.46 0.20 1.00</td><td>0.001<w 0.001 0.001<w< td=""><td>0.001 0.001 0.005</td><td>0.054 0.200 0.040 0.032</td><td>0.065 0.085 0.058</td><td>0.01 <w 8.01 <w 8.01 <w 0.01 <w< td=""><td></td></w<></w </w </w </td></w<></w </td></w<></w </w 	0.20 0.46 0.20 1.00	0.001 <w 0.001 0.001<w< td=""><td>0.001 0.001 0.005</td><td>0.054 0.200 0.040 0.032</td><td>0.065 0.085 0.058</td><td>0.01 <w 8.01 <w 8.01 <w 0.01 <w< td=""><td></td></w<></w </w </w </td></w<></w 	0.001 0.001 0.005	0.054 0.200 0.040 0.032	0.065 0.085 0.058	0.01 <w 8.01 <w 8.01 <w 0.01 <w< td=""><td></td></w<></w </w </w 	
860213 860214 860217 860218	0.061 0.080 0.250	0.310 0.200 0.007 0.001 <m 0.001<m< td=""><td>0.001 0.001 0.001 6.001&lt;</td><td>0.09 0.00<w< td=""><td>0.001<w 0.001 0.001 0.001<w< td=""><td>0.001 0.005 0.001&lt;</td><td>0.043 0.054 0.078 0.064</td><td>0.093 0.058 0.085 0.083</td><td>0.01 <w 0.01 <w 0.01 <w 0.01 <w< td=""><td></td></w<></w </w </w </td></w<></w </td></w<></td></m<></m 	0.001 0.001 0.001 6.001<	0.09 0.00 <w< td=""><td>0.001<w 0.001 0.001 0.001<w< td=""><td>0.001 0.005 0.001&lt;</td><td>0.043 0.054 0.078 0.064</td><td>0.093 0.058 0.085 0.083</td><td>0.01 <w 0.01 <w 0.01 <w 0.01 <w< td=""><td></td></w<></w </w </w </td></w<></w </td></w<>	0.001 <w 0.001 0.001 0.001<w< td=""><td>0.001 0.005 0.001&lt;</td><td>0.043 0.054 0.078 0.064</td><td>0.093 0.058 0.085 0.083</td><td>0.01 <w 0.01 <w 0.01 <w 0.01 <w< td=""><td></td></w<></w </w </w </td></w<></w 	0.001 0.005 0.001<	0.043 0.054 0.078 0.064	0.093 0.058 0.085 0.083	0.01 <w 0.01 <w 0.01 <w 0.01 <w< td=""><td></td></w<></w </w </w 	
860220 860221 860226 860227 860301	0.080 1.100 0.058 0.130	0.260	0.001 <w 0.001<w 0.001<w< td=""><td>2.00 0.09 0.50</td><td>0.002&lt; 0.002&lt; 0.002&lt; 0.002&lt;</td><td>0.001&lt; 0.001&lt; 0.001&lt; 0.001&lt;</td><td>0.220 0.004 0.130 0.032</td><td>0.900 0.012 0.100 0.250</td><td>0.01 <w 0.01 <w 0.01 <w 0.01 <w< td=""><td></td></w<></w </w </w </td></w<></w </w 	2.00 0.09 0.50	0.002< 0.002< 0.002< 0.002<	0.001< 0.001< 0.001< 0.001<	0.220 0.004 0.130 0.032	0.900 0.012 0.100 0.250	0.01 <w 0.01 <w 0.01 <w 0.01 <w< td=""><td></td></w<></w </w </w 	
860307 860308 860310 860311	0.340 0.150 0.190 0.061	0.530	0.001 0.002 0.001 0.001 <w< td=""><td>0.12 1.00 0.80 0.03</td><td>0.002 0.002 0.002 0.003</td><td>0.001&lt; 0.001&lt; 0.001&lt; 0.001&lt;</td><td>0.043 0.038 0.047 0.092</td><td>0.130 0.230 0.054 0.260</td><td>0.81 <w 0.01 <w 0.01 <w< td=""><td></td></w<></w </w </td></w<>	0.12 1.00 0.80 0.03	0.002 0.002 0.002 0.003	0.001< 0.001< 0.001< 0.001<	0.043 0.038 0.047 0.092	0.130 0.230 0.054 0.260	0.81 <w 0.01 <w 0.01 <w< td=""><td></td></w<></w </w 	
860317 260318 260319 960320 860321	0.240 0.100 0.280 0.240 0.190	2.530 0.190 0.900 1.300 2.020	0.001 0.001 0.001 <w< td=""><td>6.30 9.80 6.90 6.90</td><td>0.001 0.002 0.001 0.001<w< td=""><td>0.001&lt; 0.001&lt; 0.001&lt;</td><td>0.024 0.058 0.065 0.048</td><td>0.031 0.200 0.120 0.140 0.390</td><td>0.0002</td><td></td></w<></td></w<>	6.30 9.80 6.90 6.90	0.001 0.002 0.001 0.001 <w< td=""><td>0.001&lt; 0.001&lt; 0.001&lt;</td><td>0.024 0.058 0.065 0.048</td><td>0.031 0.200 0.120 0.140 0.390</td><td>0.0002</td><td></td></w<>	0.001< 0.001< 0.001<	0.024 0.058 0.065 0.048	0.031 0.200 0.120 0.140 0.390	0.0002	
860324 860325 860327 860328	0.520 0.830 0.580 0.088	1.400 0.980 0.180	0.001 0.001 0.001	0.70 1.70 0.40 0.20	0.001 0.001 0.001 <w 0.001<w< td=""><td>0.001&lt; 0.001&lt; 0.001&lt; 0.001&lt;</td><td>0.061 0.040 0.063 0.056 0.047</td><td>0.460 0.340 0.041 0.020</td><td>0.002</td><td></td></w<></w 	0.001< 0.001< 0.001< 0.001<	0.061 0.040 0.063 0.056 0.047	0.460 0.340 0.041 0.020	0.002	
860402 860403 860404 860405	0.120 0.700 0.170 0.230	0.810 3.730 0.500 0.740	0.001 <w 0.001 0.001<w 0.001<w< td=""><td>0.10 1.70 0.80 0.30 0.70</td><td>0.001<w 0.001<w 0.001</w </w </td><td>0.001&lt; 0.001&lt; 0.001&lt; 0.001&lt;</td><td>0.064 0.032 0.033 0.066</td><td>0.160 Q.098 0.072 0.034</td><td>0.0001</td><td>Legend: Al = Aluminum Ca = Calcium</td></w<></w </w 	0.10 1.70 0.80 0.30 0.70	0.001 <w 0.001<w 0.001</w </w 	0.001< 0.001< 0.001< 0.001<	0.064 0.032 0.033 0.066	0.160 Q.098 0.072 0.034	0.0001	Legend: Al = Aluminum Ca = Calcium
860407 860408 860521 850522 860523	0.120 0.039 0.800 0.060 0.040	0.210 0.062 0.605 0.804 2.147	0.001 <w 0.001 0.001 0.001</w 	0.10 2.00 0.29 0.29	0.001 <w 0.004&lt; 0.004&lt; 0.004&lt;</w 	0.001< 0.004< 0.004< 0.004<	0.045 0.065 0.070 0.065	0.004< 0.250 0.110 0.059 0.220	0.01 0.00 < M 0.00 < M 0.01 < W	Cd = Cadmium Cl = Chloride Co = Cobalt
860526 860527 860528 860529 860530	0.101 0.171 0.161 0.171 0.249	1.053 2.095 3.731 4.457 1.841	0.001 0.001 0.001 0.001 <w< td=""><td>0.60 0.29 0.29 0.29 0.29</td><td>0.004&lt; 0.004&lt; 0.004&lt;</td><td>0.004&lt; 0.004&lt; 0.004&lt; 0.004&lt;</td><td>0.035 0.097 0.065 0.055 0.042</td><td>0.540 0.340 0.310 0.380 0.130</td><td>0.01 <w 0.01 <w 0.01 <w 0.01 <w< td=""><td>Cr = Chromium Cu = Copper Fe = Iron F = Fluoride</td></w<></w </w </w </td></w<>	0.60 0.29 0.29 0.29 0.29	0.004< 0.004< 0.004<	0.004< 0.004< 0.004< 0.004<	0.035 0.097 0.065 0.055 0.042	0.540 0.340 0.310 0.380 0.130	0.01 <w 0.01 <w 0.01 <w 0.01 <w< td=""><td>Cr = Chromium Cu = Copper Fe = Iron F = Fluoride</td></w<></w </w </w 	Cr = Chromium Cu = Copper Fe = Iron F = Fluoride
860609 860610 MAXIMUM	0.206 0.652	1.447 1.112	0.001 <w 0.001</w 	2.00	0.004< 0.004< 0.003 0.001 <a< td=""><td>0.004&lt;</td><td>0.087 0.220 0.058</td><td>0.490 0.900 0.194</td><td>0.01 0.01 0.01 <a< td=""><td>_</td></a<></td></a<>	0.004<	0.087 0.220 0.058	0.490 0.900 0.194	0.01 0.01 0.01 <a< td=""><td>_</td></a<>	_
ARITH MEAN GEOM MEAN MINIMUM STD DEV (GEOM *)	0.242 0.168 0.039 0.235	1.054 <a 0.453<a 0.001 1.156<a< td=""><td>0.001<a 0.001</a </td><td>0.59<a 0.00</a </td><td>0.001</td><td>0.001</td><td>0.048 0.004 0.039</td><td>0.012</td><td>0.00</td><td>Units: ug/m<sup>3</sup></td></a<></a </a 	0.001 <a 0.001</a 	0.59 <a 0.00</a 	0.001	0.001	0.048 0.004 0.039	0.012	0.00	Units: ug/m <sup>3</sup>
SAMP IN STATISTICS SAMP (EXCLUDED)	50	46	12	29	50	74		2		

	TABLE 2	(CONT'D)	HI-VOI	DATA FOR	STATION N	o. 48141 (	(INGHAM)		æ			
Date	Mg	Mn	Ni	NH3	NO3	Pb	PO <sub>4</sub>	Si	SO <sub>4</sub>	V	Zn	
851220	0.041	0.004	0.005<	1.1	2.9	0.011	0.0<	0.343	1.7	0.009<	0.023	
860111	0.120	0.011	0.005<	0.6	1.5	0.005<	0.0 <w< td=""><td>1.845</td><td>1.1</td><td>0.009&lt;</td><td>0.015</td><td></td></w<>	1.845	1.1	0.009<	0.015	
860115	0.160	0.013	0.004	0.7	1.7	0.031	0.0 <w< td=""><td>1.162</td><td>2.1</td><td>0.009&lt;</td><td>0.038</td><td></td></w<>	1.162	2.1	0.009<	0.038	
860117	0.081	0.016	0.005<	4.0	9.2	0.031	0.1 <w< td=""><td>0.305</td><td>5.7 5.8</td><td>0.009&lt;</td><td>0.077</td><td></td></w<>	0.305	5.7 5.8	0.009<	0.077	
860119	0.047	0.005<	0.004	3.6	7.3	0.028	0.1 <w< td=""><td>0.431</td><td>3.9</td><td>0.009&lt;</td><td>0.029</td><td></td></w<>	0.431	3.9	0.009<	0.029	
860122	0.060	0.006	0.005	1.8	2.9	0.005<	0.0 <w< td=""><td>0.949</td><td>1.0</td><td>0.009&lt;</td><td>0.011</td><td></td></w<>	0.949	1.0	0.009<	0.011	
860124 860127	0.150	0.008	0.005<	0.3	1.0	0.023	0.0 <w< td=""><td>1.186</td><td>1.3</td><td>0.009&lt;</td><td>0.019</td><td></td></w<>	1.186	1.3	0.009<	0.019	
860131	0.270	0.008	0.005<	1.1	3.2	0.008	0.0<	1.331	2.0	0.009<	0.020	
860204	0.001 <w< td=""><td>0.002</td><td>0.001<w< td=""><td>0.1 <w< td=""><td>3.1</td><td>0.037</td><td>0.0&lt;</td><td>6.200</td><td>2.4</td><td>0.007</td><td>0.015</td><td></td></w<></td></w<></td></w<>	0.002	0.001 <w< td=""><td>0.1 <w< td=""><td>3.1</td><td>0.037</td><td>0.0&lt;</td><td>6.200</td><td>2.4</td><td>0.007</td><td>0.015</td><td></td></w<></td></w<>	0.1 <w< td=""><td>3.1</td><td>0.037</td><td>0.0&lt;</td><td>6.200</td><td>2.4</td><td>0.007</td><td>0.015</td><td></td></w<>	3.1	0.037	0.0<	6.200	2.4	0.007	0.015	
860207	0.001 <w< td=""><td>0.005</td><td>0.022</td><td>0.1 <w< td=""><td>6-3</td><td>0.072</td><td>0.0<m< td=""><td>1.500</td><td>5.4 1.9</td><td>0.001&lt;</td><td>0.006</td><td></td></m<></td></w<></td></w<>	0.005	0.022	0.1 <w< td=""><td>6-3</td><td>0.072</td><td>0.0<m< td=""><td>1.500</td><td>5.4 1.9</td><td>0.001&lt;</td><td>0.006</td><td></td></m<></td></w<>	6-3	0.072	0.0 <m< td=""><td>1.500</td><td>5.4 1.9</td><td>0.001&lt;</td><td>0.006</td><td></td></m<>	1.500	5.4 1.9	0.001<	0.006	
860211	0.001 <w< td=""><td>0.001</td><td>0.001</td><td>0.1 <w< td=""><td>1.6</td><td>0.007</td><td>0.0<w< td=""><td>0.400</td><td>2.9</td><td>0.001&lt;</td><td>0.021</td><td></td></w<></td></w<></td></w<>	0.001	0.001	0.1 <w< td=""><td>1.6</td><td>0.007</td><td>0.0<w< td=""><td>0.400</td><td>2.9</td><td>0.001&lt;</td><td>0.021</td><td></td></w<></td></w<>	1.6	0.007	0.0 <w< td=""><td>0.400</td><td>2.9</td><td>0.001&lt;</td><td>0.021</td><td></td></w<>	0.400	2.9	0.001<	0.021	
860213	0.001 <w< td=""><td>0.003</td><td>0.001<w< td=""><td>0.1 <w< td=""><td>2 • 8 3 • 6</td><td>0.011</td><td>0.0<w< td=""><td>0.500</td><td>2.9</td><td>0.001&lt;</td><td>0.027</td><td></td></w<></td></w<></td></w<></td></w<>	0.003	0.001 <w< td=""><td>0.1 <w< td=""><td>2 • 8 3 • 6</td><td>0.011</td><td>0.0<w< td=""><td>0.500</td><td>2.9</td><td>0.001&lt;</td><td>0.027</td><td></td></w<></td></w<></td></w<>	0.1 <w< td=""><td>2 • 8 3 • 6</td><td>0.011</td><td>0.0<w< td=""><td>0.500</td><td>2.9</td><td>0.001&lt;</td><td>0.027</td><td></td></w<></td></w<>	2 • 8 3 • 6	0.011	0.0 <w< td=""><td>0.500</td><td>2.9</td><td>0.001&lt;</td><td>0.027</td><td></td></w<>	0.500	2.9	0.001<	0.027	
860214 860217	0.001 <w< td=""><td>0.005</td><td>0.001 0.001<w< td=""><td>0.1 <w< td=""><td>2.9</td><td>0.019</td><td>0.0<w< td=""><td>0.200</td><td>7.8</td><td>0.001&lt;</td><td>0.020</td><td></td></w<></td></w<></td></w<></td></w<>	0.005	0.001 0.001 <w< td=""><td>0.1 <w< td=""><td>2.9</td><td>0.019</td><td>0.0<w< td=""><td>0.200</td><td>7.8</td><td>0.001&lt;</td><td>0.020</td><td></td></w<></td></w<></td></w<>	0.1 <w< td=""><td>2.9</td><td>0.019</td><td>0.0<w< td=""><td>0.200</td><td>7.8</td><td>0.001&lt;</td><td>0.020</td><td></td></w<></td></w<>	2.9	0.019	0.0 <w< td=""><td>0.200</td><td>7.8</td><td>0.001&lt;</td><td>0.020</td><td></td></w<>	0.200	7.8	0.001<	0.020	
860218	0.001 <w< td=""><td>0.007</td><td>0.003</td><td>0.1 (W</td><td>6 - 4</td><td>0.049</td><td>0.0<w< td=""><td>0.200</td><td>9.0</td><td>0.001</td><td>0.051</td><td></td></w<></td></w<>	0.007	0.003	0.1 (W	6 - 4	0.049	0.0 <w< td=""><td>0.200</td><td>9.0</td><td>0.001</td><td>0.051</td><td></td></w<>	0.200	9.0	0.001	0.051	
860220	0.001 <w< td=""><td>0.005</td><td>0.004</td><td>0.1 <w< td=""><td>3.5</td><td>0.042</td><td>0.0<w< td=""><td>0.300</td><td>4.3</td><td>0.013</td><td>0.013</td><td>8</td></w<></td></w<></td></w<>	0.005	0.004	0.1 <w< td=""><td>3.5</td><td>0.042</td><td>0.0<w< td=""><td>0.300</td><td>4.3</td><td>0.013</td><td>0.013</td><td>8</td></w<></td></w<>	3.5	0.042	0.0 <w< td=""><td>0.300</td><td>4.3</td><td>0.013</td><td>0.013</td><td>8</td></w<>	0.300	4.3	0.013	0.013	8
860221	0.001 <w< td=""><td>0.002</td><td>0.001<h< td=""><td>0.1 (W</td><td>1.0</td><td>0.027</td><td>0.0&lt;</td><td>0.200 4.700</td><td>1.7</td><td>0.001</td><td>0.036</td><td>10</td></h<></td></w<>	0.002	0.001 <h< td=""><td>0.1 (W</td><td>1.0</td><td>0.027</td><td>0.0&lt;</td><td>0.200 4.700</td><td>1.7</td><td>0.001</td><td>0.036</td><td>10</td></h<>	0.1 (W	1.0	0.027	0.0<	0.200 4.700	1.7	0.001	0.036	10
860226	0.650	0.042	0.004	0.1 <w< td=""><td>1.2</td><td>0.048</td><td>0.1<w< td=""><td>0.200</td><td>0.0<w< td=""><td>0.001&lt;</td><td>0.010</td><td>0</td></w<></td></w<></td></w<>	1.2	0.048	0.1 <w< td=""><td>0.200</td><td>0.0<w< td=""><td>0.001&lt;</td><td>0.010</td><td>0</td></w<></td></w<>	0.200	0.0 <w< td=""><td>0.001&lt;</td><td>0.010</td><td>0</td></w<>	0.001<	0.010	0
860227	0.022	0.001	0.003<	0.1 (W	0.0 <w 2.1</w 	0.003	0.0 <w< td=""><td>0.500</td><td>1.0</td><td>0.001&lt;</td><td>0.011</td><td></td></w<>	0.500	1.0	0.001<	0.011	
860301 860307	0.270	0.005	0.003<	0.1 CW	0.4	0.314	0.0KW	1.000	0.7	0.001<	0.017	
860308	0.130	0.006	0.003	0.1 <w< td=""><td>1.5</td><td>0.011</td><td>0.0&lt;</td><td>0.900</td><td>2.3</td><td>0.001</td><td>0.019</td><td></td></w<>	1.5	0.011	0.0<	0.900	2.3	0.001	0.019	
860310	0.073	0.014	0.005	0.1 <w< td=""><td>4.5</td><td>0.047</td><td>3 - 0 &lt; M</td><td>0.900</td><td>4.5</td><td>0.002</td><td>0.011</td><td></td></w<>	4.5	0.047	3 - 0 < M	0.900	4.5	0.002	0.011	
860311	0.046	0.003	0.0034	0.1 <	1.3	0.013	0.0 <w< td=""><td>0.500</td><td>3.1 5.3</td><td>0.001&lt;</td><td>0.028</td><td></td></w<>	0.500	3.1 5.3	0.001<	0.028	
860317	0.240	0.016	0.002	0.179	2.3	0.045	0.1 <w< td=""><td>1.300</td><td>4.9</td><td>0.001&lt;</td><td>0.022</td><td></td></w<>	1.300	4.9	0.001<	0.022	
860318	0.027	0.004	0-001 <w< td=""><td>0.226</td><td>2.6 5.7</td><td>0.038</td><td>0.1<w< td=""><td>0.900</td><td>9.0</td><td>0.001&lt;</td><td>0.068</td><td></td></w<></td></w<>	0.226	2.6 5.7	0.038	0.1 <w< td=""><td>0.900</td><td>9.0</td><td>0.001&lt;</td><td>0.068</td><td></td></w<>	0.900	9.0	0.001<	0.068	
860319 860320	0.097	0.012	0.002	0.044	0.5	0.011	0.1 <w< td=""><td>0.700</td><td>2.3</td><td>0.011</td><td>0.012</td><td></td></w<>	0.700	2.3	0.011	0.012	
860321	0.025	0.009	0-001 <w< td=""><td>0.066</td><td>2.0</td><td>0.009</td><td>0.1&lt;</td><td>0.800</td><td>.3.3</td><td>0.013</td><td>0.016</td><td></td></w<>	0.066	2.0	0.009	0.1<	0.800	.3.3	0.013	0.016	
860324	0.230	0.013	0.001 <w< td=""><td>0.069</td><td>0.9</td><td>0.029</td><td>0.1<w< td=""><td>1.800</td><td>2.1</td><td>0.016</td><td>0.054</td><td></td></w<></td></w<>	0.069	0.9	0.029	0.1 <w< td=""><td>1.800</td><td>2.1</td><td>0.016</td><td>0.054</td><td></td></w<>	1.800	2.1	0.016	0.054	
860325	0.310	0.023	0.001 <w< td=""><td>0.244</td><td>5.6</td><td>0.033</td><td>0.1<w< td=""><td>2.200</td><td>4.4</td><td>0.003</td><td>0.058</td><td></td></w<></td></w<>	0.244	5.6	0.033	0.1 <w< td=""><td>2.200</td><td>4.4</td><td>0.003</td><td>0.058</td><td></td></w<>	2.200	4.4	0.003	0.058	
860327	0.210	0.016	0.001 <w< td=""><td>0.191</td><td>3.1</td><td>0.023</td><td>0.1<w< td=""><td>0.300</td><td>4.7</td><td>0.001&lt;</td><td>0.016</td><td></td></w<></td></w<>	0.191	3.1	0.023	0.1 <w< td=""><td>0.300</td><td>4.7</td><td>0.001&lt;</td><td>0.016</td><td></td></w<>	0.300	4.7	0.001<	0.016	
860328	0.021	0.003	0.001 <w< td=""><td>0.163</td><td>1.3 0.0<w< td=""><td>0.009</td><td>.0.1<w< td=""><td>0.200</td><td>0.6</td><td>0.001&lt;</td><td>0.009</td><td>Legend:</td></w<></td></w<></td></w<>	0.163	1.3 0.0 <w< td=""><td>0.009</td><td>.0.1<w< td=""><td>0.200</td><td>0.6</td><td>0.001&lt;</td><td>0.009</td><td>Legend:</td></w<></td></w<>	0.009	.0.1 <w< td=""><td>0.200</td><td>0.6</td><td>0.001&lt;</td><td>0.009</td><td>Legend:</td></w<>	0.200	0.6	0.001<	0.009	Legend:
860402 860403	0.036	0.001	0.001 <w< td=""><td>0.032</td><td>0.6</td><td>0.023</td><td>0.1<w< td=""><td>0.900</td><td>1.1</td><td>0.001&lt;</td><td>0.019</td><td>Mg=Magnesium</td></w<></td></w<>	0.032	0.6	0.023	0.1 <w< td=""><td>0.900</td><td>1.1</td><td>0.001&lt;</td><td>0.019</td><td>Mg=Magnesium</td></w<>	0.900	1.1	0.001<	0.019	Mg=Magnesium
860404	0.057	0.012	0.001 <w< td=""><td>0.035</td><td>2.0</td><td>0.018</td><td>0.1<w< td=""><td>0.600</td><td>1.8</td><td>0.001&lt;</td><td>0.017</td><td>Mn≓Manganese</td></w<></td></w<>	0.035	2.0	0.018	0.1 <w< td=""><td>0.600</td><td>1.8</td><td>0.001&lt;</td><td>0.017</td><td>Mn≓Manganese</td></w<>	0.600	1.8	0.001<	0.017	Mn≓Manganese
860405	0.056	0.008	0.001 <w< td=""><td>0.016</td><td>0.9</td><td>0.021</td><td>0.1<w< td=""><td>0.600</td><td>0.7</td><td>0.001&lt;</td><td>0.007</td><td>Ni=Nickel</td></w<></td></w<>	0.016	0.9	0.021	0.1 <w< td=""><td>0.600</td><td>0.7</td><td>0.001&lt;</td><td>0.007</td><td>Ni=Nickel</td></w<>	0.600	0.7	0.001<	0.007	Ni=Nickel
860407	0.044	0.003	0.001 < W	0.123	2.0	0.015	0.1 <w< td=""><td>0.400</td><td>3.3</td><td>0.015</td><td>0.005</td><td></td></w<>	0.400	3.3	0.015	0.005	
860408	0.010	9.901 <w< td=""><td>0.001<w< td=""><td>0.046</td><td>0.0<w< td=""><td>0.016</td><td>0.1(#</td><td>0.600</td><td>3.5</td><td>0.080&lt;</td><td>0.074</td><td>NH3=Ammonium</td></w<></td></w<></td></w<>	0.001 <w< td=""><td>0.046</td><td>0.0<w< td=""><td>0.016</td><td>0.1(#</td><td>0.600</td><td>3.5</td><td>0.080&lt;</td><td>0.074</td><td>NH3=Ammonium</td></w<></td></w<>	0.046	0.0 <w< td=""><td>0.016</td><td>0.1(#</td><td>0.600</td><td>3.5</td><td>0.080&lt;</td><td>0.074</td><td>NH3=Ammonium</td></w<>	0.016	0.1(#	0.600	3.5	0.080<	0.074	NH3=Ammonium
860521 860522	0.171	9.010	0.004<		4.4	0.040		0.300	5.0	0.080<	0.026	NQ3=Nitrates
860523	0.025	0.004<	0.004<		0.3	0.020		0.200	2.0	>080.0	0.007	Pb=Lead
660526	0.122	0.010	0.004<		1.5	0.030		0.700	1.7	0.080<	0.068	PO <sub>4</sub> =Phosphates
860527	0.243	0.020	0.004<		4.4	0.063		2.000	5 - 8 8 - 7	0.030<	0.024	Si=Silicone
860528	0.172	0.010	0.004<		2.9	0.040		1.400	1.7	>080.0	0.019	SO <sub>4</sub> =Sulphates
860529	0.248	0.010	0.004<		1.2	0.020		2.000	1.5	0.080<	0.025	V=Vanadium
860530 860609	0.282	0.005	0.004<	*	0.3	0.007		0.400	0 - 9	0.080<	0.020	
860610	0.280	0.020	0.004<		4.1	0.040		2.300	2.9	0.080<	0.069	Zn=Zinc
					0.2	0.140	0.1	4.700	9.0	0.016	0.077	
MUMIXAM	0.650	0.042	0.022 0.002 <a< td=""><td>4-0 0-4 <a< td=""><td>9.2 2.6<a< td=""><td>0.160</td><td>0.0<a< td=""><td>0.907</td><td>3.2<a< td=""><td>0.007</td><td>0.028</td><td>2</td></a<></td></a<></td></a<></td></a<></td></a<>	4-0 0-4 <a< td=""><td>9.2 2.6<a< td=""><td>0.160</td><td>0.0<a< td=""><td>0.907</td><td>3.2<a< td=""><td>0.007</td><td>0.028</td><td>2</td></a<></td></a<></td></a<></td></a<>	9.2 2.6 <a< td=""><td>0.160</td><td>0.0<a< td=""><td>0.907</td><td>3.2<a< td=""><td>0.007</td><td>0.028</td><td>2</td></a<></td></a<></td></a<>	0.160	0.0 <a< td=""><td>0.907</td><td>3.2<a< td=""><td>0.007</td><td>0.028</td><td>2</td></a<></td></a<>	0.907	3.2 <a< td=""><td>0.007</td><td>0.028</td><td>2</td></a<>	0.007	0.028	2
ARITH MEÁN Geom mean	0.109 <a 0.037<a< td=""><td>0.009&lt;</td><td>0.002\A</td><td>0.1 (A</td><td>2.0.0</td><td></td><td></td><td>0-648</td><td></td><td>0.001</td><td>0.022</td><td>Units: ug/m<sup>3</sup></td></a<></a 	0.009<	0.002\A	0.1 (A	2.0.0			0-648		0.001	0.022	Units: ug/m <sup>3</sup>
HUHINIH	0.001	0.001	0.001	0.004	0.0	0.007	0.0	0.100	0.0	0.001	0.020	200
STO DEV (GEOM #)	0.123<4			0.9 <4				0.815	50	12	50	
SAMP IN STATISTICS	5 0	48	29	40	50	6	40	50	20	76		
I SAMP (EXCLUDED)		4	42	#		v						

TABLE	<b>3</b> H)	-VOL DATA	FOR STATIO	N NO. 4814	12 (CALDERA	ARO)				
Date	Al	Ca	Cd	Cl	Co	Cr	Cu	Fe	F	
851220	0.100	0.210	0.001	0.50	0.004<	0.009	0.150	0-140	0.01 <w< td=""><td></td></w<>	
860109	0.120	0.096	0.001<	0.06	0.004<	0.011	0.002<	0-120	0.01 <w< td=""><td></td></w<>	
860115	0.100	0-450	0.001<	0.40	0.004<	0-004	0.025	0.150	0.01 <w< td=""><td></td></w<>	
860117	0.150	0.210	0.001	0.50	0.004<	0.005	0.034	0.260	0.01 <w< td=""><td></td></w<>	
860119	0.060	0.070	0.001<	0.10	0.004<	0.004	0.076	0.110 2.700	0.01 (W	
860122	2.000	0.890	0.002	0.70	0.001 <w< td=""><td>0.001</td><td>0.092</td><td>0.300</td><td>0.01 <w< td=""><td></td></w<></td></w<>	0.001	0.092	0.300	0.01 <w< td=""><td></td></w<>	
860124	0.270	2.900	0.001<	0.00 <w< td=""><td>0.001&lt;</td><td>0.001&lt;</td><td>0.092</td><td>0.140</td><td>0.01 <w< td=""><td></td></w<></td></w<>	0.001<	0.001<	0.092	0.140	0.01 <w< td=""><td></td></w<>	
860127	0.090	0.330	. 0.001<	0.20	0.001<	0.002	0.100	0.280	0.01 <w< td=""><td></td></w<>	
860131 860204	0.045	0.100	0.001 <w< td=""><td>0.34</td><td>0.001</td><td>0.001&lt;</td><td>0.060</td><td>0.047</td><td>0-01 (W</td><td></td></w<>	0.34	0.001	0.001<	0.060	0.047	0-01 (W	
860207	0.062	0.300	0.001	. 0.32	0.003	0.001<	0.048	0-058	0.01 <w< td=""><td></td></w<>	
860211	0.071	1.000	0.001<	1.20	0.001	0.001<	0.081	0-076	0.01 <w< td=""><td></td></w<>	
860212	0.086	0.410	0.001 <w< td=""><td>0.50</td><td>0.002</td><td>0.001&lt;</td><td>0.090</td><td>0.076</td><td>0.01 <w< td=""><td></td></w<></td></w<>	0.50	0.002	0.001<	0.090	0.076	0.01 <w< td=""><td></td></w<>	
860213	0.059	0.180	0.001 <w< td=""><td>0.00<w< td=""><td>0.001<w< td=""><td>0.004</td><td>0.080</td><td>0.310</td><td>0.01 <w< td=""><td></td></w<></td></w<></td></w<></td></w<>	0.00 <w< td=""><td>0.001<w< td=""><td>0.004</td><td>0.080</td><td>0.310</td><td>0.01 <w< td=""><td></td></w<></td></w<></td></w<>	0.001 <w< td=""><td>0.004</td><td>0.080</td><td>0.310</td><td>0.01 <w< td=""><td></td></w<></td></w<>	0.004	0.080	0.310	0.01 <w< td=""><td></td></w<>	
860215	0.100	0.350 0.001 <w< td=""><td>0.001</td><td>0.00<w< td=""><td>0.001</td><td>0.001</td><td>0.110</td><td>0.067</td><td>0.01 KW</td><td></td></w<></td></w<>	0.001	0.00 <w< td=""><td>0.001</td><td>0.001</td><td>0.110</td><td>0.067</td><td>0.01 KW</td><td></td></w<>	0.001	0.001	0.110	0.067	0.01 KW	
860217	0.048	0.001 <w< td=""><td>0.001</td><td>0.00<w< td=""><td>0.002</td><td>0.001&lt;</td><td>0.110</td><td>0.140</td><td>0.01 &lt;</td><td></td></w<></td></w<>	0.001	0.00 <w< td=""><td>0.002</td><td>0.001&lt;</td><td>0.110</td><td>0.140</td><td>0.01 &lt;</td><td></td></w<>	0.002	0.001<	0.110	0.140	0.01 <	
860218 86022G	0.018	0.001 <w< td=""><td>0.001<w< td=""><td>0.06</td><td>0.002</td><td>0.001&lt;</td><td>0.110</td><td>0.046</td><td>0.01 <w< td=""><td></td></w<></td></w<></td></w<>	0.001 <w< td=""><td>0.06</td><td>0.002</td><td>0.001&lt;</td><td>0.110</td><td>0.046</td><td>0.01 <w< td=""><td></td></w<></td></w<>	0.06	0.002	0.001<	0.110	0.046	0.01 <w< td=""><td></td></w<>	
860221	0.045	0.070	0.001<	0.14	0.061<	0.001<	0.674	0.045	0.01 (%	
860225	0.064	1.800	0.001 <w< td=""><td>0.40</td><td>0.002&lt;</td><td>0.001&lt;</td><td>0.036</td><td>0.085</td><td>0.01 <w< td=""><td></td></w<></td></w<>	0.40	0.002<	0.001<	0.036	0.085	0.01 <w< td=""><td></td></w<>	
860226	0.190	6.300	0.001	1.20	0.002<	0.001<	0.100	0.260	0.01 <w< td=""><td></td></w<>	
360227	0.140	3.700	0.001 0.001 <w< td=""><td>0.44</td><td>0.002&lt;</td><td>0.001&lt;</td><td>0.052</td><td>0.053</td><td>0.01 KW</td><td></td></w<>	0.44	0.002<	0.001<	0.052	0.053	0.01 KW	
860228	0.039	0.880 2.400	0.001	1.00	0.002<	0.002	0.059	2.300	0.01 KW	
360307 860308	0.300	0.700	2.001	0.87	0.002<	0.001<	0.051	0.350	0.01 <₩	
860310	0.200	3.390	0.001	0.70	0.002<	0.001<	0.050	0.330	0.01 <w< td=""><td></td></w<>	
860311	0.087	0.380	0.001<	0.06	0.002<	0.001<	0.044	0.079	0.01 <%	
860317	0.260	2.650	0.001	0.70	0.001	0.001<	0.170	0.320		
860318	0.760	0.690	0.001	0.10	0.001	0.001<	0.050	0.280		
360319	0.370	0.800 1.800	0.001 0.001 <w< td=""><td>0.30</td><td>0.001&lt;¥</td><td>0.001&lt;</td><td>0.025</td><td>0.610</td><td></td><td></td></w<>	0.30	0.001<¥	0.001<	0.025	0.610		
860320	0.540	1.800	0.001 <w< td=""><td>0.60</td><td>0.001<w< td=""><td>0.001&lt;</td><td>0.045</td><td>0.130</td><td></td><td></td></w<></td></w<>	0.60	0.001 <w< td=""><td>0.001&lt;</td><td>0.045</td><td>0.130</td><td></td><td></td></w<>	0.001<	0.045	0.130		
860321 860324	0.220	1.500	0.001	0.23	0.001 <w< td=""><td>0.001&lt;</td><td>0.065</td><td>0.270</td><td>0.0006</td><td></td></w<>	0.001<	0.065	0.270	0.0006	
360327	0.350	0.350	0.001	0.19	0.001 <w< td=""><td>0.001&lt;</td><td>0.071</td><td>0.330</td><td>0.0002</td><td></td></w<>	0.001<	0.071	0.330	0.0002	
860328	0.350	1.800	0.001	0.23	0.001 <w< td=""><td>0.001</td><td>0.048</td><td>0.440</td><td>0.0006</td><td></td></w<>	0.001	0.048	0.440	0.0006	
860402	0.022	0.600	0.001 <w< td=""><td>0.32</td><td>0.001<w< td=""><td>0.001&lt;</td><td>0.057</td><td>0.001<w< td=""><td></td><td>LEGEND:</td></w<></td></w<></td></w<>	0.32	0.001 <w< td=""><td>0.001&lt;</td><td>0.057</td><td>0.001<w< td=""><td></td><td>LEGEND:</td></w<></td></w<>	0.001<	0.057	0.001 <w< td=""><td></td><td>LEGEND:</td></w<>		LEGEND:
860403	0.140	1.200	0.001 <w< td=""><td>0.58</td><td>0.001<w< td=""><td>0.001&lt;</td><td>0.063</td><td>0.042</td><td></td><td></td></w<></td></w<>	0.58	0.001 <w< td=""><td>0.001&lt;</td><td>0.063</td><td>0.042</td><td></td><td></td></w<>	0.001<	0.063	0.042		
360404	0.110	0.790	0.001	0.26	0.001<	0.001<	0.046	0.057	0.0002	Al = Aluminum
860405	0.040	0.370	0.001	0.35	0.001<	0.001	0-100	0.018	0.0001	.Ca = Calcium
860407 860408	0.016	0.096	0.001	0.00 <w< td=""><td>0.001<w< td=""><td>0.001</td><td>0.043</td><td>0.004&lt;</td><td>0.0001</td><td>Cd = Cadmium</td></w<></td></w<>	0.001 <w< td=""><td>0.001</td><td>0.043</td><td>0.004&lt;</td><td>0.0001</td><td>Cd = Cadmium</td></w<>	0.001	0.043	0.004<	0.0001	Cd = Cadmium
860521	0.057	0.238	0.001	0.00<	0.004<	0.004<	0.078	0.280	0.01 <	Cl = Chloride
860526	0.337	0.145	0.001	0.00<	0.004<	0.004<	0.170	0.800	0.01 <w< td=""><td>Co = Cobalt</td></w<>	Co = Cobalt
360527	0.136	2.077	0.061 <w< td=""><td>0.00&lt;</td><td>0.004&lt;</td><td>0.004&lt;</td><td>0.200</td><td>0.250</td><td>0.00 KW</td><td></td></w<>	0.00<	0.004<	0.004<	0.200	0.250	0.00 KW	
860528	0.022	0.342	0.001 <w< td=""><td>0.00<w< td=""><td>0.004&lt;</td><td>0.004&lt;</td><td>0.120</td><td>0.440</td><td>0.01 <w< td=""><td>Cr = Chromium</td></w<></td></w<></td></w<>	0.00 <w< td=""><td>0.004&lt;</td><td>0.004&lt;</td><td>0.120</td><td>0.440</td><td>0.01 <w< td=""><td>Cr = Chromium</td></w<></td></w<>	0.004<	0.004<	0.120	0.440	0.01 <w< td=""><td>Cr = Chromium</td></w<>	Cr = Chromium
860529	0.249	2.462 1.30Z	0.061 3.331 <w< td=""><td>0.00&lt;</td><td>0.004&lt;</td><td>0.004&lt;</td><td>0.150</td><td>0.500</td><td>0.01 &lt;</td><td>Cu = Copper</td></w<>	0.00<	0.004<	0.004<	0.150	0.500	0.01 <	Cu = Copper
360530 8605 <b>0</b> 9	0.207	2.295	0.001 <w< td=""><td>0.00<w< td=""><td>0.004&lt;</td><td>0.004&lt;</td><td>0.120</td><td>0.190</td><td>0.01 <w< td=""><td>Fe = Iron</td></w<></td></w<></td></w<>	0.00 <w< td=""><td>0.004&lt;</td><td>0.004&lt;</td><td>0.120</td><td>0.190</td><td>0.01 <w< td=""><td>Fe = Iron</td></w<></td></w<>	0.004<	0.004<	0.120	0.190	0.01 <w< td=""><td>Fe = Iron</td></w<>	Fe = Iron
860510	0.179	0.707	0.001 <w< td=""><td>0.00<w< td=""><td>0.004&lt;</td><td>0.004&lt;</td><td>0.270</td><td>0.360</td><td>0.01 <w< td=""><td><math>_{}</math> F = Fluoride</td></w<></td></w<></td></w<>	0.00 <w< td=""><td>0.004&lt;</td><td>0.004&lt;</td><td>0.270</td><td>0.360</td><td>0.01 <w< td=""><td><math>_{}</math> F = Fluoride</td></w<></td></w<>	0.004<	0.004<	0.270	0.360	0.01 <w< td=""><td><math>_{}</math> F = Fluoride</td></w<>	$_{}$ F = Fluoride
					0.000	0.011	0.270	2.700	0.01	
MUMIXAM	2.000	5.300	0.002	1.20	0.003	0.011	0.035	0.309 <a< td=""><td>0.01 <a< td=""><td></td></a<></td></a<>	0.01 <a< td=""><td></td></a<>	
ARITH MEAN	0.231	1.315 <a 0.412<a< td=""><td>0.001&lt;4</td><td>0.32<a< td=""><td>0.00144</td><td>0.004</td><td></td><td></td><td></td><td></td></a<></td></a<></a 	0.001<4	0.32 <a< td=""><td>0.00144</td><td>0.004</td><td></td><td></td><td></td><td></td></a<>	0.00144	0.004				
AAAM MCAD	0.125	0.001	0.001	0.00	0.001	0.001	0.025	0.001	0.00	Units: ug/m <sup>3</sup>
MUMINIM (* MCEQ) VEG GT2	0.376	1.191<4	2 N.A.B. M							3
* SAMP IN STATISTICS	4 3	49	43	49	28	13	4 8 2	48	41	
& SAMP (EXCLUDED)			12		4.2	73	4	2		

	TABLE	3 (	CONT'D)	HI-VOL DATA	A FOR STATIC	ON NO. 48	142 (CALDE	RARO)					
	Date	Mg	Mn	Ni	NH3	NO3	Pb	$PO_4$	Si	$50_4$	V	Zn	
	851220	₹	0.005	0.005<	2.2	5.8	0.077	0.14	0.457	3.3	0.003<	0.033	
		0.068			0.1	0.0 <w< td=""><td>0.005&lt;</td><td>0.0<w< td=""><td>0.768</td><td>0.0<w< td=""><td>0.0094</td><td>0.004</td><td></td></w<></td></w<></td></w<>	0.005<	0.0 <w< td=""><td>0.768</td><td>0.0<w< td=""><td>0.0094</td><td>0.004</td><td></td></w<></td></w<>	0.768	0.0 <w< td=""><td>0.0094</td><td>0.004</td><td></td></w<>	0.0094	0.004	
	360109	0.043	0.005<	0.005<		0.0CW		0.0 <w< td=""><td>0.641</td><td>0.5</td><td>0.0034</td><td>0.005</td><td></td></w<>	0.641	0.5	0.0034	0.005	
	860115	0.045	0.005	0.005<	0.3	0-0 <w< td=""><td>0.005&lt;</td><td></td><td></td><td></td><td>0.009&lt;</td><td>0.055</td><td></td></w<>	0.005<				0.009<	0.055	
	860117	0.070	0.015	0.005<	3.7	8 - 5	0.031	0.1 <w< td=""><td>1.087</td><td>5 - 4</td><td>0.009&lt;</td><td>0.045</td><td></td></w<>	1.087	5 - 4	0.009<	0.045	
	860119	0.031	0.008	0.005<	3.7	6 - 6	0.025	0.1 <w< td=""><td>0.226</td><td>5.9</td><td></td><td>0.020</td><td></td></w<>	0.226	5.9		0.020	
	860122	0.460	0.049	0.005<	0.2	0 - 8	0.008	0.D <m< td=""><td>11.510</td><td>1.5</td><td>&gt;60000</td><td>0.013</td><td></td></m<>	11.510	1.5	>60000	0.013	
	860124	0.210	0.011	0.005<	0.3	1.7	0.005<	0.0<	1.336	2.1	0.005<		
	860127	0-047	0.004	0.005<	1.4	2.5	0.005<	0-0 <m< td=""><td>0.473</td><td>3.4</td><td>0.009&lt;</td><td>C.017</td><td></td></m<>	0.473	3.4	0.009<	C.017	
	860131	0.099	0.012	0.005<	1.1	3.7	0.017	0.0 <w< td=""><td>1.305</td><td>2.3</td><td>0.009&lt;</td><td>0.021</td><td></td></w<>	1.305	2.3	0.009<	0.021	
	860204	0.001<	w 0.003	0.002	0.1 (W	3.0	0.019	0.0 <w< td=""><td>0.200</td><td>2.3</td><td>0.004</td><td>0.009</td><td></td></w<>	0.200	2.3	0.004	0.009	
	860207	0.001		0.001 <w< td=""><td>0.1 <w< td=""><td>1.0</td><td>0.008</td><td>0.0<w< td=""><td>0.200</td><td>1.0</td><td>0.001&lt;</td><td>0.006</td><td></td></w<></td></w<></td></w<>	0.1 <w< td=""><td>1.0</td><td>0.008</td><td>0.0<w< td=""><td>0.200</td><td>1.0</td><td>0.001&lt;</td><td>0.006</td><td></td></w<></td></w<>	1.0	0.008	0.0 <w< td=""><td>0.200</td><td>1.0</td><td>0.001&lt;</td><td>0.006</td><td></td></w<>	0.200	1.0	0.001<	0.006	
	860211	G.001<		0.002	0.1 <w< td=""><td>1.7</td><td>0.036</td><td>0.0&lt;</td><td>0.400</td><td>1.8</td><td>0.001&lt;</td><td>0.011</td><td>i i</td></w<>	1.7	0.036	0.0<	0.400	1.8	0.001<	0.011	i i
	960212	0.001<		0.004	0.1 KW	1.8	0.051	0.0 <w< td=""><td>0.400</td><td>3.1</td><td>3.001&lt;</td><td>0.016</td><td></td></w<>	0.400	3.1	3.001<	0.016	
	360213	0.001<		0.001KW	0.1 <w< td=""><td>0.0<w< td=""><td>0.021</td><td>0.0<w< td=""><td>0.050</td><td>0.0&lt;</td><td>0.061&lt;</td><td>0.026</td><td>12</td></w<></td></w<></td></w<>	0.0 <w< td=""><td>0.021</td><td>0.0<w< td=""><td>0.050</td><td>0.0&lt;</td><td>0.061&lt;</td><td>0.026</td><td>12</td></w<></td></w<>	0.021	0.0 <w< td=""><td>0.050</td><td>0.0&lt;</td><td>0.061&lt;</td><td>0.026</td><td>12</td></w<>	0.050	0.0<	0.061<	0.026	12
	360215	0.005	0.010	0.003	0.1 <w< td=""><td>5.9</td><td>0.043</td><td>0 . G &lt; W</td><td>0.200</td><td>5 . 2</td><td>0.001&lt;</td><td>0.049</td><td></td></w<>	5.9	0.043	0 . G < W	0.200	5 . 2	0.001<	0.049	
	860217	0.001<		0.005	0.1 <w< td=""><td>2.9</td><td>0.022</td><td>0.0<w< td=""><td>0.200</td><td>8.0</td><td>0.001&lt;</td><td>0.025</td><td>ı</td></w<></td></w<>	2.9	0.022	0.0 <w< td=""><td>0.200</td><td>8.0</td><td>0.001&lt;</td><td>0.025</td><td>ı</td></w<>	0.200	8.0	0.001<	0.025	ı
	860218	0.001<		0.007	0.1 KW	3.8	0.068	0.0 <m< td=""><td>0.200</td><td>7.3</td><td>0.006</td><td>0.051</td><td></td></m<>	0.200	7.3	0.006	0.051	
	860220	0.001<		0.001 <w< td=""><td>0.1 KW</td><td>2 - 6</td><td>0.036</td><td>0.0<w< td=""><td>0.200</td><td>4.5</td><td>6.003</td><td>0.018</td><td></td></w<></td></w<>	0.1 KW	2 - 6	0.036	0.0 <w< td=""><td>0.200</td><td>4.5</td><td>6.003</td><td>0.018</td><td></td></w<>	0.200	4.5	6.003	0.018	
	860221	0.001<		0.0C1 <w< td=""><td>0.1 (W</td><td>1.1</td><td>0.021</td><td>0.0<w< td=""><td>0.200</td><td>1.8</td><td>0.003</td><td>0.009</td><td></td></w<></td></w<>	0.1 (W	1.1	0.021	0.0 <w< td=""><td>0.200</td><td>1.8</td><td>0.003</td><td>0.009</td><td></td></w<>	0.200	1.8	0.003	0.009	
	360225	0.061	0.004	0.003<	0.1 KW	0.5	0.007	0.0<	0.500	1.1	0.001<	0.008	
	960225	0.190	0.013	0.003	0.1 KW	1.3	0.012	0.0KW	1.300	1.6	0.001<	0.018	
	860227		0.008	0.003<	0.1 KW	0.6	0.005<	0.0 <w< td=""><td>0.900</td><td>1.0</td><td>0.001&lt;</td><td>0.009</td><td></td></w<>	0.900	1.0	0.001<	0.009	
		0.140	0.003	0.003<	0.1 <w< td=""><td>0.6</td><td>0.005&lt;</td><td>0.0<w< td=""><td>0.400</td><td>6.4</td><td>0.001&lt;</td><td>0.014</td><td></td></w<></td></w<>	0.6	0.005<	0.0 <w< td=""><td>0.400</td><td>6.4</td><td>0.001&lt;</td><td>0.014</td><td></td></w<>	0.400	6.4	0.001<	0.014	
	860228	0.078	0.048	0.005	0.1 <w< td=""><td>0.8</td><td>0.026</td><td>0.1<w< td=""><td>5.000</td><td>2.6</td><td>0.004</td><td>0.026</td><td></td></w<></td></w<>	0.8	0.026	0.1 <w< td=""><td>5.000</td><td>2.6</td><td>0.004</td><td>0.026</td><td></td></w<>	5.000	2.6	0.004	0.026	
	860307	0.610	0.011	0.006	0.1 <w< td=""><td>1.5</td><td>0.011</td><td>0.0&lt;</td><td>1.400</td><td>2.2</td><td>0.002</td><td>0.024</td><td></td></w<>	1.5	0.011	0.0<	1.400	2.2	0.002	0.024	
	860308	0.190	0.011	0.003<	0.1 <	4.8	0.041	0.1<	0.900	5.1	0.002	0.088	
	860310 860311	0.100	0.004	0.003<	0.1 <	1.2	0.007	0.0 <w< td=""><td>0.400</td><td>2.7</td><td>0.001&lt;</td><td>0.021</td><td></td></w<>	0.400	2.7	0.001<	0.021	
		0.041	0.017	0.001	0.126	2.9	0.074	0.1<	1.100	6.0	0.003	0.038	
	860317	0.250	0.012	0.001	0.223	2.4	0.018	0.1 <w< td=""><td>3.200</td><td>6.1</td><td>0.028</td><td>0.031</td><td></td></w<>	3.200	6.1	0.028	0.031	
	860318	0.140		0.001 <w< td=""><td>0.325</td><td>6.7</td><td>0.047</td><td>0.1<w< td=""><td>1.300</td><td>8.7</td><td>0-027</td><td>0.063</td><td></td></w<></td></w<>	0.325	6.7	0.047	0.1 <w< td=""><td>1.300</td><td>8.7</td><td>0-027</td><td>0.063</td><td></td></w<>	1.300	8.7	0-027	0.063	
	860319	0.120	0.011	0.002	0.026	0.5	0.007	0.1 <w< td=""><td>2.800</td><td>2.4</td><td>0.010</td><td>0.009</td><td></td></w<>	2.800	2.4	0.010	0.009	
	860320	0.270	0.013	0.001 <w< td=""><td>0.047</td><td>1.3</td><td>0.009</td><td>0.1<w< td=""><td>1.200</td><td>2.4</td><td>0.001&lt;</td><td>0.017</td><td></td></w<></td></w<>	0.047	1.3	0.009	0.1 <w< td=""><td>1.200</td><td>2.4</td><td>0.001&lt;</td><td>0.017</td><td></td></w<>	1.200	2.4	0.001<	0.017	
	860321	0.280	0.009	0.001	0.070	1.3	0.019	0.1<	1.400	2.3	0.004	0.021	Legend:
	860324	0.220	0.012	0.001	0.141	2.1	0.029	0.1 <w< td=""><td>2.000</td><td>5.8</td><td>0.004</td><td>0.047</td><td>_</td></w<>	2.000	5.8	0.004	0.047	_
	860327	0.210	0.017	0.003	0.188	5.4	0.028	0.1 <w< td=""><td>2.300</td><td>4.7</td><td>0.001&lt;</td><td>0.059</td><td>Mg=Magnesium</td></w<>	2.300	4.7	0.001<	0.059	Mg=Magnesium
	860328	0.320	0.024	0.001 <w< td=""><td>0.013</td><td>0.6</td><td>0.006</td><td>0.1<w< td=""><td>0.200</td><td>1.1</td><td>0.008</td><td>0.061&lt;#</td><td>Mn=Manganese</td></w<></td></w<>	0.013	0.6	0.006	0.1 <w< td=""><td>0.200</td><td>1.1</td><td>0.008</td><td>0.061&lt;#</td><td>Mn=Manganese</td></w<>	0.200	1.1	0.008	0.061<#	Mn=Manganese
	860402	0.035		0.001<	0.038	0.8	0.009	0.1 <w< td=""><td>0.600</td><td>1.1</td><td>0.003</td><td>0.007</td><td></td></w<>	0.600	1.1	0.003	0.007	
	860403	0.059	0.006	0.001	0.027	1.6	0.012	0.1<	0.700	1.2	0.003	0.007	Ni=Nickel
	860404	0.070	0.008	0.001 <w< td=""><td>0.048</td><td>1.7</td><td>0.011</td><td>0.1&lt;</td><td>0.500</td><td>1.7</td><td>0.001&lt;</td><td>0.016</td><td>NH3=Ammonium</td></w<>	0.048	1.7	0.011	0.1<	0.500	1.7	0.001<	0.016	NH3=Ammonium
	860405	0.067	0.013	0.001 <w< td=""><td>0.091</td><td>2.2</td><td>0.011</td><td>0 - 1 &lt; W</td><td>0.500</td><td>4.2</td><td>0.001&lt;</td><td>0.005</td><td>NO3=Nitrates</td></w<>	0.091	2.2	0.011	0 - 1 < W	0.500	4.2	0.001<	0.005	NO3=Nitrates
	860407	0.052	0.003 0.001 <w< td=""><td>0.001<w< td=""><td>0.038</td><td>0.0<w< td=""><td>0.008</td><td>0 - 1 &lt; W</td><td>0.100</td><td>1.8</td><td>0.066</td><td>0.004</td><td></td></w<></td></w<></td></w<>	0.001 <w< td=""><td>0.038</td><td>0.0<w< td=""><td>0.008</td><td>0 - 1 &lt; W</td><td>0.100</td><td>1.8</td><td>0.066</td><td>0.004</td><td></td></w<></td></w<>	0.038	0.0 <w< td=""><td>0.008</td><td>0 - 1 &lt; W</td><td>0.100</td><td>1.8</td><td>0.066</td><td>0.004</td><td></td></w<>	0.008	0 - 1 < W	0.100	1.8	0.066	0.004	
	860408	0.032			0.030	2.6	0.040		0.500	2.9	0.380<	0.031	Pb=Lead
	860521	0.138	0.010	0.004<		5.5	0.090		2.400	6.7	0.CEO<	0.100	PO4=Phosphates
	860526	0.315				1.5	0.030		1.200	2.0	0.050<	0.010	Si=Silicon
	860527	0.120	0.010	0.004<		2.9	0.040		0.200	4.4	0.080<	0.020	
	860528	0.041	0.007			0.6	0.030		1.700	1.7	0.080<	0.010	SO4=Sulphates
	860529	0.342	0.020	0.004<		1.5	0.030		2.300	2.9	G.080<	0.010	V=Vanadium
	860530	0.395	0.020	0.004<		0.0 <w< td=""><td>0.009</td><td></td><td>0.700</td><td>1.5</td><td>0.080&lt;</td><td>0.005</td><td>Zn=Zinc</td></w<>	0.009		0.700	1.5	0.080<	0.005	Zn=Zinc
	860609	0.081	0.006			1.5	0.030		1.100	1.5	0.080<	0.031	Zn=Zine
-	-260610	0.154	0.010	0.504<		1.07	0.000						
_	HEMIKAH	0.610	0.049	0.007	2.7	9.5	0.090	0.1	11.510	8.7	0.329	6.100	
		0.127<		0.002 <a< td=""><td>0.4 <a< td=""><td>2.3<a< td=""><td>0.027</td><td>0.0<a< td=""><td>1.213</td><td>3.2<a< td=""><td>0.003</td><td>0.02444</td><td>3</td></a<></td></a<></td></a<></td></a<></td></a<>	0.4 <a< td=""><td>2.3<a< td=""><td>0.027</td><td>0.0<a< td=""><td>1.213</td><td>3.2<a< td=""><td>0.003</td><td>0.02444</td><td>3</td></a<></td></a<></td></a<></td></a<>	2.3 <a< td=""><td>0.027</td><td>0.0<a< td=""><td>1.213</td><td>3.2<a< td=""><td>0.003</td><td>0.02444</td><td>3</td></a<></td></a<></td></a<>	0.027	0.0 <a< td=""><td>1.213</td><td>3.2<a< td=""><td>0.003</td><td>0.02444</td><td>3</td></a<></td></a<>	1.213	3.2 <a< td=""><td>0.003</td><td>0.02444</td><td>3</td></a<>	0.003	0.02444	3
(e <sup>-</sup> 90)	ARITH MEAN	0.045<		U. UUL (A	0.1 <			5,5 5,000	0.698			0.017 <a< td=""><td>Units: ug/m<sup>3</sup></td></a<>	Units: ug/m <sup>3</sup>
	GEOM MEAN		0.001	0.001	0.013	0.0	0.006	0.0	0.050	0.0	0.002	0.001	
	MINIMUM	0.001		0.001	0.9 <				1.774			0.022 <a< td=""><td></td></a<>	
	DEV (GEOM #)	49		2 8	41	49	43	41	49	43	17	4 9	
	IN STATISTICS	<b>4</b> 7	4 8 2	42			12				55		
£ 24	MP (EXCLUDED)		2				, a						

TABLE 4
ARITHMETIC MEAN HI-VOL DATA (JAN.86-JUNE 86)

PARAMETERS	48141	48142	48142
	BROWN	INGHAM	CALDERARO
Al Aluminum Ca Calcium Cd Cadmium Cl Chlorides Co Cobalt Cr Chromium Cu Copper Fe Iron F Fluorides Mg Magnesium Mn Manganese Ni Nickel NH3 Ammonium NO3 Nitrates Pb Lead P04 Phosphates Si Silicon S04 Sulphates V Vanadium Zn Zinc	0.839	0.242	0.231
	2.076	1.054	1.015
	0.001	0.001	0.001
	1.46	0.59	0.32
	0.001	0.001	0.001
	0.005	0.005	0.004
	0.100	0.058	0.055
	0.296	0.194	0.309
	0.01	0.01	0.01
	0.143	0.109	0.127
	0.015	0.009	0.011
	0.003	0.002	0.002
	0.6	0.4	0.4
	2.6	2.6	2.3
	0.029	0.029	0.027
	0.1	0.0	0.0
	1.288	0.907	1.213
	3.3	3.2	3.2
	0.005	0.007	0.008
	0.060	0.028	0.024

TABLE 5
DUSTFALL AND FLUORIDATION DATA FOR STATION 48040 (BROWN)

1986	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC
T.D.	2.9	3.2	3.9	5.5	6.5	2.4	3.0	2.5	3.4			
Al	.062	.055	.037	N.D.	.034	.016	.086	.053	.037			
Cd	N.D.											
Co	N.D.	N.D.	N.D.	N.D.	.003	N.D.	N.D.	N.D.	N.D.			
Cr	N.D.	N.D.	N.D.	N.D.	.001	N.D.	N.D.	.001	N.D.			i i
Cu	.003	.002	.001	N.D.	.004	.002	.004	.004	.003			
Fe	.021	.026	.024	.002	.021	.008	.026	.029	.019			
Mn	.001	.001	.001	N.D.	.001	.001	.001	.001	.001			
Mo	N.D.	.001	N.D.									
Ni	N.D.	N.D.	N.D.	N.D.	.001	N.D.	.001	.001	N.D.			
Pb	N.D.	.003	.001	.001	.003	.001	.005	.002	.001			
V	N.D.	N.D.	.001	.001	N.D.	N.D.	N.D.	N.D.	N.D.			
Zn	.006	.006	.003	.008	.011	.004	.009	.008	.004			
F.R.	15	9	17	17	11	8	, 6	7	4			

LEGEND: T.D. = Total Dustfall

N.D. = Non-Detected

F.R. = Fluoridation Rate

UNITS: Dustfall & Metals in Dustfall = gm/sq.m./30 days Fluoridation Rate = ugF/100 sq.cm./30 days

TABLE 6
DUSTFALL AND FLUORIDATION DATA FOR STATION 48041(INGHAM)

1986	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC
T.D.	1.5	2.4	2.8	4.3	5.2	3.6	1.5	4.4	3.1			
Al	.042	.014	.018	.008	.022	.016	.065	.080	.041			
Cd	N.D.			*								
Со	N.D.											
Cr	N.D.	N.D.	N.D.	.001	N.D.	N.D.	N.D.	N.D.	N.D.			
Cu	.002	N.D.	.001	.001	.001	.001	.004	.005	.003			
Fe	.030	.022	.016	.003	.016	.010	.017	.035	.021			
Mn	.001	.001	.001	N.D.	.001	.001	.001	.001	.001			
Мо	N.D.	.001	N.D.									
Ni	N.D.	.001	N.D.									
Pb	N.D.	.002	.001	.004	.002	.001	.008	.002	N.D.			
V	N.D.	N.D.	.001	N.D.	N.D.	N.D.	N.D.	N.D.	.001			2
Zn	.003	.003	.004	.008	.009	.003	.010	.011	.004			
F.R.	9	9	10	8	5	5	4	4	3			

LEGEND: T.D. = Total Dustfall

N.D. = Non-Detected

F.R. = Fluoridation Rate

UNITS: Dustfall & Metals in Dustfall = gm/sq.m./30 days Fluoridation Rate = ugF/100 sq.cm./30 days

TABLE 7
DUSTFALL AND FLUORIDATION DATA FOR STATION 48042(CALDERARO)

1986	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC
T.D.	1.7	1.2	1.5	4.9	5.1	1.3	2.5	2.4	5.6			
Al	.014	.009	.007	.004	.011	.005	.008	.008	.006			
Cd	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.			
Со	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.			
Cr	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.			
Cu	.001	.001	N.D.	.001	N.D.	N.D.	N.D.	.004	.001			
Fe	.017	.013	.009	.002	.013	.003	.010	.013	.006			
Mn	.001	N.D.	N.D.	N.D.	.001	N.D.	N.D.	.001	N.D.			
Мо	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.			
Ni	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	.001			
Pb	.001	.003	.002	.004	.006	N.D.	N.D.	.015	N.D.			
V	N.D.	N.D.	.001	N.D.	N.D.	N.D.	N.D.	.003	.001			
Zn	.002	.003	.003	.019	.002	.001	N.D.	.009	.002			
	1				, , , , ,							
F.R.	19	13	15	12	10	23	9 -	13	7			

LEGEND: T.D. = Total

N.D. = Non-Detected

F.R. = Fluoridation Rate

UNITS:

Dustfall & Metals in Dustfall = gm/sq.m./30 days Fluoridation Rate = ugF/100 sq.cm./30 days

